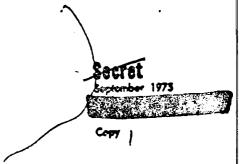
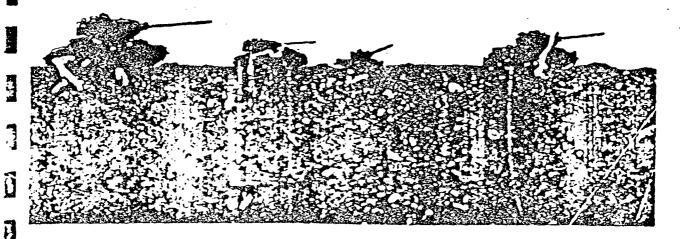


The Arab-Israeli Handbook



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### THE ARAB-ISRAELI HANDBOOK



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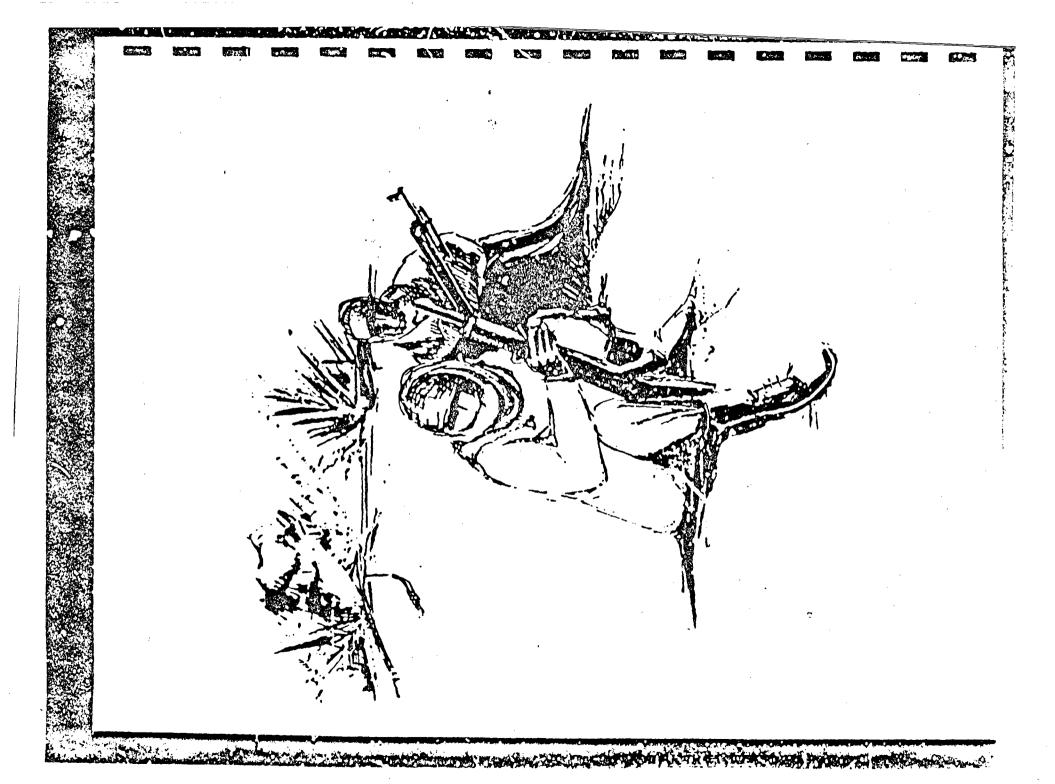
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# THE ARAB-ISRAELI HANDBOOK

# I POLITICAL STILLATION AND DEVELOPMENTS

## A. The Postwar Situation

## 1 Political Developments

the gast year. Unlike the period immediately after the October 1973 war, the Asab sell threst players lattle at no direct role in development. Moreover, no armed clashes married the dictory sensent agreements that were worked and between land and Egypt and South under US angulous during the dark half of 1974. There were, however, periods of le-sphened tensions on both fronts. Political and diplomatic activ by dominated the Middle East scene during

Irrael planned to attack Syrin on November 17. Lebanon, together with Israell accusations that Syria was receiving quantities of Soviet arms far in excess of its holdings before the October 1973 was, raised 29. Uncertainty about whether an extension would be agreed to by write, which was then threatening to react to larself affects against the fedayrem in southern as the mandate for the United Nations Disengagement Observer Force (UNDOF), monthsting the System Lunell agreement, neared its expiration date of November lemsions to dangerous levels. Soviet lustigated rumors, meanwhile, alleged thet The most serious risk of renewed hostilities occurred in November 1974

period eased the highly valuable situation and the threat of fighting recoded hour sequiescence in renewing the UN presence on Colum for mother sta-month scored the concern that the situation along the Syrian-Israeli ceasedire line might deteriorate further, perhaps even percustating a general conflict. Syria's 1111-A sudden visit to Damuscus by UN Secretary General Woldhelm under

engagement accord on March 22, 1975 was also followed by a period of increased anxiety over the possibility of another round of warfare. Any immediate danger of renewed fighting passed as prospects for further peaceful negotiations were viewed with granded optinism. The suspension of US efforts to bring about a second Egyptian-Israell dis

to determine the nature of Palestinian participation in peace settlement efforts to the Palestinian aspect of Suez and Colan fronts in January and May 1974, including representation at a reconvened Ceneva conference. Egyptian President Following the successful conclusion of Interim agreements on both the sund Golan fronts in January and May 1974, the Arabs turned attention an overall settlement. One of their basic tasks was

STATE TO

Sadat attempted to keep fordan's King Husayn at least nominally in the picture by acknowledging him as spokesman for those Palestinians living on the East Bank of Jordan. This affirmation was made in a joint columnique on July 18, 1974, at the end of Husayn's tirst visit to Egypt since Sadat had succeeded the late President Nasser in 1970. His move, however, intensified Palestine Liberation Organization (PLO) suspicions of Egyptian intentions and fram that Palestinian interests would be sacrificed. The strong Palestinian reaction persuaded Sadat to tempor his support for Husayn and to return to the Aiglers summit formula of November 1973 that stipulated the PLO as the "sole, legitimate representative of the Palestinian people." This position was enunciated in a series of mid-September meetings in Cairo, attended by Egyptian, Syrian, and PLO representatives.

The pripartite declaration regarding the PLO was once again strongly upheld by the Arab summit conference in Rabat at the end of October 1974 and was embodied in a revolution made unanimous by Husayn's adherence. Other important decisions then taken by Arab leaders aimed at further strengthening Arab solidarity by working toward a Jordanian-PLO rapprox lement and pledging \$2.35 billion to the confrontation states. Most of the financial assistance was to be provided for rearming Egypt and Syria (\$1 billion each), but \$50 million was also earmarked for the PLO and \$300 million for Jordan.

Meanwhile, the PLO's position was also being enhanced by significant diplomatic successe, outside the Middle East. As Egypt and Syria were cementing their ties with the PLO in Cairo, a concerted Arab effort at the UN succeeded in having the Palestinian question inacribed on the UN General Assembly agenda as a separate item for the first time. This strategy resulted in an unprecedented move on November 13, when PLO chairman Yasir Arafat became the first leader of a national liberation movement to address a plenary session of the General Assembly. Shortly thereafter, the PLO was accorded permanent observer status in the Ceneral "stembly, Moreover, it has obtained observer status in several of the UN's specialized agencies.

. Events in Egypt revolved largely around its involvement in peace settlement efforts. Sadat symmitted himself deeply to pursuing the course of negotiations with Israel, his own national interests requiring the recovery of more I-raelioccupied territury in Sinai and an era of peace that would refreus government attention on erreemic needs. His willingness to work with the US troubled Egyptian relations with Syria to some extent, but particularly with Libya. Sedat's stand in the step-by-step negotiations that were suspended on March 22, 1973, however, seemed to enhance his popularity in the Arab world. At least for a time thereafter, Syria, Jordan, Saudi Arabia, and even many PLO elements were relieved that Egypt did not "sell out" the Arab cause. His March 29 speech before the Egyptian parliament was moderate in true and indicated a willingness to continue exploring various paths to peace. It was most notable for Sadat's stated intention, for the first time, to reopen the Suez Canal on June 5, the eighth anniversary of the June 1987 war. But he also agreed to extend the mandate of the United Nations Emergency Force (UNEF) for three months beyond the April 24 expiration date.

In mid-July, charging that the Israelis were using the UNEF presence to maintain the status quo, Egypt announced that it would not extend the UNEF mandate. On 23 July, however, following an appeal by the UN Security Council, Egypt reversed its position and did agree to carried the mandate for another three months. Renewed momentum was injected into peace efforts shortly thereafter, resulting in the second Egyptian-Luraeli clisengagement agreement on September 1.

Syrie finally dispelled the atmosphere of war hysteria prior to the expiration of UNDOF's first mandate period by agreeing in November 1974 to its contimustion. President Asad apparently encountered some strong opposition within the sia'th leadership to that decision and his position on peace settlement efforts. Because of those pressures, he was reluctant to associate Syria too closely with Egyptian artions. Although he realizes that Syria must have a fr. itful relationship with Sedat in order not to be totally isolated, Asad, too, is back-ally mistrustful of Egypt's negotiating policy. Before Secretary Kissinger's departure for the Middle East in early March. Asad sent his lurche minister to several Areb states with a tressage cautioning against a unilateral Egyptian agreement with Israel that would forsake Syria, Jordan, and the PLC. That diplomatic initiative accompanied a Syrian proposal to form Mat Syrian-PLO political and military examends. The PLO subsequently accepted the offer, but it is not clear what practical effect closer Syrian-PLO opporation, if achieved, would have in either the political or military Felds. To avoid, or minimize, any isolation : yris might be forced into by Egyptian peace moves, And also improved relations with King Husayn. Some military coordination with Jordan seems to have taken place, but the extent of Syrian-Jordanian cooperation may not be determined for some time.

THE PERSON OF SECURITY AND PROPERTY AND PROP

Syria's other preoccupation concerned a running dispute wifa Iraq that deepened in March, ostensibly over Baghdad's charges that Syria had deliberately reduced the flow of Euphrates water. Intense Arab medication efforts failed to resolve their differences, although Syria agreed in early June to release some of the waters. Meanwhile, each antagonist took punitive measures against the other and Syria virtually demuded its secondary defensive positions on the Colan Heights by moving sizeable forces to the vicinity of the Euphrates Dam complex. Damascus also announced in May 1975 that it would extend UNDOF's mardate for another six months, partly to reduce any threat from Israel while it feuded with Iraq and partly to demonstrate independence of action from Egypt, which had previously agreed to only a three-month extension.

Jewish relinquished, in effect, its claim to be the negotiating channel for recovery of West Bank territory as a result of its acceptance of the Rabat summit resolution on the PLO. Husayn regarded his action as product in the face of certain defeat if he had continued to insist on his role as Palestinian spokesman. He subsequently maintained, however, that the Robat decision made it unnecessary for Jordan to participate in the Ceneva Conference. He has also paid lip service to Arab urgings that he patch up his quarter with the PLO, but no commitments are known to have been made on any clear steps toward rapprochement or a reestablishment of fedayeen presence in Jordan. Bilateral relations with the major Arab states have greatly improved, especially with Syria. Husayn and Asad exchanged visits in April and May, and Syrian military delega-

thru have good to forden to idenus air defined matters, an area of principle

thousand worded an acceptable cabinet and lead the country back to some semb'ance of normaley. The bloody feeding, meanwhile, had resulted in over 500 killed and severa Franjiyah Smully was forced to turn to a publical rival, Rashid Karami, to form Phalangists) and fedayeen and Lebaness leftires for most of the in Belru and quickly intensified. Frequent traces failed to hold, the city we Two-month largely paralyzed by further stolence between right wing Christians rd the major Christian elements, how he out. The first clashes bryon on April 13 aca's troubled relationably with the fedsyeen began in April as a long-foured over primerily economic grievances. But the most serious development in Leba March with arrived clashes between the Lebanese Army and radical fedayees ward conflict investigg radical beforeen groups and the Phisages Party, on "the had joined L-barese leftists in exploiting public demonstrations in January. Lebanese internal security difficulties were further compounded in attacked suspected fedayeen positions almost daily in late December and early 1974, increased fedayeen activity against Israel from southern Irraeli problem. After the threat of war on Colan alminished in late November Lebench has become the main arena for violence associated with the Arab of strong Levell military responses, levell planes and ground forces period. The government virtually ceased to function and President Lebanon invited following (potably Stdog

on Iran's terms. Iraqi struogman Saddam Husayn was determined to end the leaders, however, resulted in an Iranian-Iraqi second on Varich 8, 1975 that set the stage for a decisive end to the warfare, in return for Iran's withdrawal of and loyalty to his regime and oracuse the government's preoccupation with the Kurdish problem diverted its a relief from pressing economic development support for the Kurda, long confu t with the Kurds because of its corrosive effect on the army's morale successful a distion effort by Algeria's Boumediene, encorraged by other Arab Iraq confinued to be burdened with an unpopular was against its dissident relicative and Inq agreed to setti eccompanying difficulties with neighboring Iran the Shatt al-Arab boundary dispute

accord with Egypt, signed on September 1, that called for it to cede mara negotiated settlement, but it was determined that its excurity not be jeopardized able Egyptian commitment to abandon was in exchange for further substantial the government's negotiating flexibility vis-a-vis the Araba remained significantly territory: In Sinal in the process. Broader U.S. assurances on Israel to make unacceptable concessions. quieting to many laracits and was resented by others as unwarranted Israeli withdrawal in Sinal. The US's subsequent "policy reassessment" was dis-1973 reflected the difficulties indexent in reconciling lanel's need for an acceptlimited. The suspension of the step-by-step approach to negotiations in March somewhat by bringing the National Religious Party (NRP) into the cabinet Still In Irred, the Rabin government's parliamentary strength was increased enabled Israel to Israel basically continued to desire finally agree to the pressure

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### 2. Attempts to Resolve the Impasse

The political problems that remained after the two disengagement agreements went into effect in the first half of 1974 were even more intractable than the issues of military disengagement. Neither Arabs nor Israelis have developed the mutual confidence that would enable them to carry on negotiations without heavy reliance on international and, particularly, US madiation. Moreover, progress in peace efforts is subject to disruption by factional disputes or terrorist acts aimed at frustrating the process of negotiations.

The main thrust of US diplomary was influenced heavily by the manimous decision on the PLO taken at the summit conference at Rabat in October 1974. That action, because of Israel's refusal to deal with the PLO, effectively eliminated any possibility of concluding an initial agreement on the Jordanian-Israeli fuset, a move that agreement a logical following to the Sinai and Golan accords: 155 efforts, therefore, were then directed toward preparing the ground for a further agreement between Egypt and Israel.

Secretary Kissinger, who visited the hiddle East in October, returned to the area in early November in the midst of growing tensions on the Golan Front. His deliberations were, in effect, preparation for President Ford's trip to the USSR. The Ford-Brezhnev communique issued in Vladivatok on November 24 affirmed the intent to make every effort to promote a solution to the key issues of a just and lasting peace in the Middle East on the basis of UN Security Council Resolution 338, taking into account the legitimate interests of all the peoples of the area, including the Palestinians.

Following visits to Washington by Israeli Foreign Minister Allon in early December and again in inid-January, 1975, Secretary Elssinger undertook a further exploratory mission to the Arab countries and Iwael. Upon leaving the Middle East on February 14, he stated his intention to return again in March.

When the Secretary began his Middle East shuttle on March 7, it was apparent that both Egypt and Israel were operating under difficult political restraints. Both sides, however, seemed sufficiently concerned about the consequences of failure to make an attempt to bridge the gap in their positions worthwhile. Throughout the negotiations Egypt sought to obtain Israeli withdrawal from enough territory in Sinai to justify reaching a separate agreement in the face of Palestinian and Syrinn apposition. For its part, Israel sought the concessions from Egypt on the key question of nonbelligerency that would enable it to justify withdrawal from strategic areas. After two weeks of intense bargaining, however, bridging the gap between Egypt's territorial demands and Israel's political conditions proved impossible and Secretary Kissinger amounced that his efforts were being suspended.

All parties then needed time to consider their positions in light of the failure to reach a new accord and to determine how best to proceed. Although both Egypt and Israel appeared desirous of keeping all diplomatic options open, it seemed that the focus of attention might have to be shifted to multilateral diplomacy. Sadat celled for the early resumption of the Genera talks, while his restrained March 29 address contributed to a reduction of tentions that had arisen after the step-by-step suspension.

Washington later in June. Rabin visited Washington for substantive talks June 10-12. Syrian Foreign Minister Khaddam was also received by the President and the Secretary in sides. Sadat was invited to meet with President Ford in Salzburg June 2-1, and indications grew that Egypt and Israel might be receptive to further US initiatives. Conservently, arrangements were made for high-level consultations with both The Ceneva alternative was once again relegated to the background a

Egyptian and Israell acceptance of a disengagement pact on September agreement was approved by the Israell Knesset on September 3 and to travel to the Middle East out greater expectations for success than in Marca. He arrived in Tel Aviv on August 21 to begin a shortle mission talbulanted by by military representatives in Geneva the following day. snother attempt to conclude a second laterim aggreement might be This new momentum enabled Secretary During July and early August intense US diplomatic efforts gradually narrows: were undertaken to lay firmer groundwork for the resumption of negotiations As a result of received interest shown by the parties, additional initiative between Egypt and Israel enough to warrant rising optimism that Klasinger to announce his September 3 and signed latention possible 1 1

that the agreement is not a final peace agreement. for one-year periods, creation of a job commission to oversee the agreement passage of norm libary Israeli or goes through the Suez Canal, and recognition ward behind delineated lines that include the eastern approaches of the Mills and Ciddli Proces and from the Abs Rudwys oil fields, postmustion of UNEF by peaceful means, strict observance of the conseiler, brack withdrawal castlitical concessions by Egypt. Its nine articles provide for resolution of conflicts The accord involves essentially territorial withdrawals by Israel and po

to number so more than 200. to provide strategic early warning, one operated by Egyptian and one operated by Israeli personnel." In addition, the two stations shall be supported by three watch stations in the Mitla and Cidi Passes, manned by US civilian personnel, The accord e'no provides safeguards under a US proposal for as warning system in Sinai. This proposal would "establish two saswelltuses proposal for an

preparation of a detailed protocol for implementing the discagagement agreement. Egyptian and Israeli representatives began meeting in Geneva for that purpose on September 9. The Annex also outlined UNEF responsibilities; permissible Egyptian and Israeli presences, especially in the Abu Rudays area; US aerial recognaissance missions over the disensa general area every 7-10 days; and force finitiations. Terms relating to limited areas mass restrict each side's military presence in the authorized zones to 8 standard infantry battalions, 73 tanks, 60 artiflery pieces with ranges not to exceed 12 kiloneters, and 8,000 total personnel. The redeployment of forces called for by the Sinal Agreement is to be completed within five months after signature of the protocol to be drawn up by the special working group. Moreover, an Annex to the Sinal Agreement makes stipulations regarding

## 3. The Occupied Territories

the October 1973 war, there have been a While little has changed administratively in the occupied territories since numba of major attitudinal changes

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in Israel about their fitture. Prior to the war, Israel had avoided conmitting itself to any long-term policy on the territories, israel did, however, raise some de facto pre-conditions of its own: that it would not leave the Colun Heights, Caza or Sharm al-Shayth.

and land ownership in the territories, providing for increased administrative permitting Jewish settlements coordination of the territories with Israel, and integrating Arab labor into the despite the absence of any long-term political policy. As a result, braselis have smell economy—had the effect of linking the territories more closely to Israel begun to view some of the territories with an increasingly proprietory interest. Additionally, Israeli operational decisionsThe nituation is the excepted lands is not static. From the beginning, Israel sought to make certain basic changes in those areas which would both enhance its security and demonstrate its intention to actain at least part of them. It has since the settlers tend to be sfillated with Irrsell political factions. In 1975, as the negotiations for further withdrawals got underway, pressures mounted for established approximately IT settlements in the Colon, 20 on the West Benk, and 9 in Sinal and the Caza Strip, many of which are paramilitary solved. In some instances, indigenous Arab Libabitants were resettled and Arab villages were leveled. The establishment of Jewish drillian settlements in the occupied areas on withdrawal Issues West Bank and more settlements in Sinal were among those expansions arged. increased fursell presence in the occupied ursa, with characteristics of permacentral town in the Colum Heights, an industrial settlement reduces the Israel Covernment's negotiating fleatbility 2000

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Since the October 1973 war, however, the Irraelis have been confronted with the real possibility of having to negotiate a settlement of the territorial question, within the larger context of an overall Amb-Irraeli settlement. The realization of this has forced as agonizing respirateal smoog Irraelis of their aegodating position on the territories, something they never had to do before Out of this reappraisal, several distinctions are coming into focus. Sinat, Gazz, and the Colan Heights are viewed almost exclusively in security terns. From the Israeli point of view, both Sinsi disengagement agreements and the Colan disengagement agreement were possible primarily because there were and sufficient political trade-offs to counter perceived but acceptable security losses entailed in the agreements. The Israelis are much more apprehensive about giving up territory in the rest of Staal and Colus. They insist come down from the Colun Belghts, and their perceived fersel adamantly opposes returning it to Egyptian administration, but has as yet of the Gaza Strip, and that part of Sinai adjacent to it—the so-called Rafah ecurity need to retain Sharm al-Shaykh and a scrip of eastern Sinsi to separate Egypt from Gaza remains way strong, On Gaza itself, there is much ambivalence so firm position on its ultimate disposition. It tends, though, to favor that they will never both security gains Approaches

is, in Irraeli et est incorporated into Israel, and the rest of the West Rank (called Judea and Samaria by the Israelis) is closely associated with the Zonist concept of the Tand of Israel" (Eretz Israel). Hebron (al-Khalil) is the second holiest Israeli actindes toward the West Bank are incre complex. East Jerusalem city in Judaism. Thus, the disposition of the West Bank transcends security con-

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siderations and becomes a very divisive domestic political-religious issue. Not only does the right-wing opposition Likud oppose relinquishing the West Bank, but the government coalition partner, the National Religious Party, opposes it as well. The dilemma for these Israelis who would retain the West Bank (and Gaza, also a part of Eretz Israel), however, is that it would incorporate nearly one million Arabs into the Israel body politic and would in the long run threaten the Jewish character of the state.

The Arab population of the West Bank also presents a major security problem in Israeli eyes. The premise that the Palestinians should be accorded some rights has generally been accepted, but most Israelis strongly opposed the creation of a Palestinian state on the West Bank with or without Caza, fearing that such a state would be governed by a radical nationalist regime unalterably bostile to Israel. The Israelis would much prefer that the West Bank—or those portions that Israel would give appreturn to King Hussyn's rule. Since both Pal-stirrian and general Arab sentiment (with the obvious exception of Jordan) appear to favor the creation of some sort of independent Palestinian entity, the whole Palestinian question, together with the disposition of the West Bank and East Jerusalem, have become issues over which Israel would prefer to avoid negotiations for as long as possible. The closest thing to a policy on the West Bank that Israeli leaders have expressed, and then only informally, is the Allon Plan. This plan, first formulated by Deputy Premier Allon in 1987, calls for a return of the populated areas of the West Bank to Jordan with broad security strips along the Jordan valley and in the Judean Hills, together with a corridor linking the security strips to Israel proper, remaining in Israeli hands

### 4. Refugees

The Palestinian refugee problem has been a matter of concern since 1948. The new waves of migration, largely from the West Bank of Jordan to East Jordan, that took place during the June 1967 hostilities created new categories of refugees: those displaced for the first time by the 1987 war and those already in refugee status who were displaced a second time. The United Nations Relief and Works Agency for Palestine Refugees in the Near East (UNRWA) was established in 1950 to care for what were then about 725,000 refugees. By April 1, 1975 there were 1,618,783 registered refugees in Jordan, Syria, Lebanon, and the Gaza Strip. The largest number, over 580,442, were on the East Bank and about 150,000 of these reingees have been twice displaced. In addition to the UNAWA-registered refogees, there are some 100,000 non-UNRWA-registered Palestinians displaced by the 1987 war in Jordan, about 75,000 former inhabitants of the Golan Heights displaced elsewhere in Syria, and at least 350,000 Egyptians evacuated from cities along the west bank of the Suez Canal. An additional 17,000 Syrians were displaced in the October 1973 war. These and some 25,000-30,000 inhabitants of the Colan, as well as those Egyptians evacuated from the cities of the Suez Canal, were to have been repatriated as part of the 1974 Egyptian and Syrian disengagement agreements with Israel.

UNWRA's financial position continued to deteriorate during the past year, and cutbacks in rations, education, and employees were deemed inevitable. A new element to this situation, however, was a PLO signal that it might no longer oppose Arab assistance to the bank-upt organization. Saudi Arabia reacted to this indication by providing a special contribution of \$10 million and an

annual contribution of \$1.2 million. The Saudis are now the third largest contributor to UNWRA. The US, with a \$23.2 million annual and \$16 million special contribution, remains the largest donor, while the European Economic Community continues as the next largest. The Saudi precedent may imlock the door to additional donations from other oil-rich Arab states, enabling UNWRA to cope with its remaining \$11 million deficit.

### 5. Palestine Liberation Groups (Fedayeen)

Approximately 30,000 people are involved in the fedayeen movement. Roughly one-third are commandos; the rest are engaged in support activities such as policing refugee camps and collecting funds.

The several fedayeen groups to which the commandos belong are not united under a single command. With one exception, however, the major groups are all full members of the fedayers-controlled Palestine Liberation Organization (PLO), headed by Yasir Arafat. The PLO's relatively incherate tradership claims to represent both fedayeen and non-fedayeen Palestinian interests, a claim holstered by decisions of the Arab heads of State at Rabat in October 1974 and the UN General Assembly in November 1974. The moderate leadership sanctions attacks on Israeli-controlled territory, but does not endorse acts of international terrocism.

The fedayeen have become a greater factor in the peace settlement effort since the October war. Both Egypt and Syria have stated in connection with their agreement on disengagement that a final settlement must provide for the restoration of Palestinian rights. They have additionally encouraged the fedayeen organizations to adopt a unified position in favor of Palestinian participation at the Geneva Conference when it reconvenes. Factionalism within the Palestinian resistance movement has prevented unanimity, although the Palestine National Council, the legislative arm of the PLO, meeting in Cairo in June 1974 adopted a decision that left the door open for PLO participation at Geneva for the purpose of establishing a Palestinian state on the Israeli occupied West Bank and Gaza.

The largest and most important fedayeen group is Farah, led by Yasir Arafat. Since the October 1973 war, Fatah has followed a moderate strategy favoring Palestinian participation in Middle East peace talks and acceptance of a small Palestinian state consisting of the West Bank and the Gaza Strip. Despite qualified approval of Arafat's policies by the Palestine National Council, fedayeen radicals are continuing to work against him.

Prior to the October war, when Palestinian participation in the search for a permanent Arab-Israeli settlement was not seriously considered a realistic option, Fatah had backed a generally more radical policy. The group's terrorist turn, the Black September Organization, was a leading perpetrator of international terrorism. Should peace negotiations fail to produce concrete results for the Palestinians that would justify Fatah's current restraint, the group almost certainly will revert to a more radical line and return to international terrorist activities.

Saiqa, the second largest fedayeen group, is controlled by the Syrian Ba'th regime and follows its kad on policy matters. Saiqa is cooperating with Fatah in attempting to marshal wide Palestinian backing for the Syrian and Egyptian

strategy of pursuing a peaceful settlement of Mi-ldle East issues. Saiqa has generally avuided international terrorism, and has been prevented by Damascus from striking directly at Israel from Syrian territory.

The Popular Democratic Front for the Liberation of Palestine (PDFLP) has generally supported Fatah and Saiqa in calling for a negotiated settlement in the Middle East. In early 1975, the group's frustration with Arafat's leadership led it to speak of assuming a more independent stance from which it could more forcefully criticize both radical and moderate fedayeen leaders. The PDFLP is important to a degree that its small size would not justify; its Marxist ideology gives it a special affinity to the Soviets, and it has at least a radimentary political organization on the Israeli-occupied West Bank.

Three radical fedayeen organizations are cooperating under the label of the Rejection Front to oppose any peaceful settlement. They include the Popular Front for the Liberation of Palestine (PFLP), the Popular Front for the Liberation of Palestine—General Command (PFLP-GC), and the Iraqi-controlled Arab Liberation Front (ALF) The PFLP withdrew from the executive committee of the PLO in September 1974; the other two groups would be likely to leave the PLO in the event the organization elects to participate in formal peace negotiations.

The three radical groups have small memberships and limited popular followings. With the considerable (mancial and operational support they receive from the governments a Iraq and Labya, they will be able to continue their spoiling operations even in the event that the larger fedayeen groups enter into the peace settlement process. Leaders of the relatively moderate groups that control the PLO have almost so ability to control the activities of their radical colleagues.

The less radical fedeyeen groups and the PLO receive most of their financial support from Saudi Arabia, Kuwait, and private Persian Gulf sources. They have in the past also received substantial rums from Libya and Iraq, but these sources are less reliable and more inclined to dictate how their funds are spent. Although fedayeen leaders frequently complain that the Arab states are not fulfilling their financial obligations to the Palestinians, the movement as a whole appears to have sufficient funds to continue its terrorist and quasi-military activities for the foreseeable future.

Military equipment has been supplied the fedayeen by Iraq, Syria, Egypt, Algeria, Libya and China. Equipment that has come from the USSR and Eastern Europe has been delivered through sympathetic Arab states, but generally not by direct shipment. Syria alone is in a position to effectively con rol the flow of arms to the fedayeen; almost all equipment, whatever its source, 'ransits Syrian territory to reach guerrilla bases.

Fudayeen military units are generally armed with automatic rifles, sub-machineguns, rocket launchers and mortars. Most of the weapons are of Soviet, Chinese and Czechoslovak manufacture. Palestinian units also have some heavier weapons and equipment, including armored personnel carriers (APCs), artiflery

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## PALESTINE LIBERATION ORCANIZATION Yang Arrist Charman

1. PATAH

Independent moderate Yeste Arafat 8,000 commendes

TO THE

Controlled by Syris Zubayr Muhate 3,000 commendes

Favor serpodeted serdement associated associated associated and Shell State and Shell Shell

A NOPULAR DESIGNATE PROFT for the LINERATION of PALESTING Endpandent Meriat Next Revision 4. FORFULAR PROMIT for the LIBERATION of PALESTINE (withdrew from the PLO's governing Emecutive Committee in September 1974)

Probygondent redical Contra Haldank 700 commanden

S. POPULAR FRONT for the LIBERATION of PALENTINE—CENERAL CONMAND lodependent radical Abraid Jahriff 209-106 consumates

but and Libra

ARAB LIBERATION FRONT Controlled by Long Zay\* Haydar 100-connected and anti-aircraft gons. In late 1973 Syris began supplying SA-7 shrulder-fired ground-to-air missiles to Fain and Saiga. Libys had earlier supplied a handful of S.A.7s to the federects.

mently of Fatuh's sl-Auffa military som-which includes the Tarmark Force, based Army (PLA), which, although composed of Palestinian detachments from Arab armies, is loosely affiliated with the PLO and could with the permission of the yets. Fedayeen farces are indirectly strengthened by the Pulertine Liberation The fedsycen's conventional military capability is limited. It consists priand the Saiga militia, which is effectively exempled by Arab states become available to the fedayoen movement. in Syria and Lebanco

The fedayeen shelled Israeli positions from bases in southern Lebanon; PLA Fedayeen and PLA forces played little role in the 1973 Ambilaneli units saw limited action on the Colan and Suez fronts. In early 1974, Lebanon-based fedayeen stepped up their crossborder strikes st ferrei. Heavy Israeli airstrikes at fedayeen buses in Lebanon failed to contail

Figure II

### PALESTINE LIBERATION ARMY

5,000-5,500 troops

Hattin Forces
Based in Syris

Ain JaBut Forces
Based in Egypt
(Possibly transferred to Syria)

Qudistyys Forces

Most beaul in Syris
(Some in Jurdan)

Popular Liberation Forces
Based in Lebanon
(Cuerrills are of PLA)

the terrorist operations, which were mounted by several groups hoping to subvert peace negotiations or insure that the Arab states participating in the peace talks were forced to deal with Palestinian issues.

The fedayeen remain a significant military threat to Lebanon's internal security. Although the larger, moderate fedayeen organizations generally avoided involvement in the civil unrest in Beirut during April, May and June 1975, radicals from the smaller groups joined with Lebanese leftists in mounting a major challenge to Lebanon's internal security forces. The major fedayeea ups and the Lebanese army have not clashed since May 1973.

The fedayeen have not posed a military them to Jordan since their defeat and ouster by the Jordanian Army in 1970-1971. King Hussyn remains a prime target for fedayeen terrorists.

Fedayeen international terrorist activity has declined since early 1974, when the possibility of political success first emerged in the wake of the October 1973 war. In the first half of 1975, the bulk of the Palestinian effort focused on operations in Israeli-controlled territory. Nevertheless, the radical fedayeen groups and rejectionist factions, acting independently of the moderate leadership, continued to plan and occasionally implement international terrorist operations. Prospects for an increase in the incidence of international terrorist acts increased in June 1975, when Libya sought to revive the rejectionist forces through increased financial assistance and greater coordination of rejectionist plans to neutralize efforts toward a political settlement of the Middle East problem.

### & The Soviet Presence

In the mid-1950s, the Soviet Union began to seek influence in the Middle East by exploiting Arab-Israeli antagonisms and anti-Western, Arab nationalism.

support and during the 1980s developed close thes with Egypt, Syria and Iraq The USSR offered several Arab states military and economic aid and political

and to develop ties with the non-Communist Arab left. these parties in order to maintain official state relations with Arab governments to bring the states of the region into an anti-Western alignment and to partes strengthened, but has shown itself willing to sacrifice the in 'rests of By Iring up with the Arabs against Israel and the US, the Soviets hoped their own influence MOSCOW also withed to dery see Communist

its own forces. Insel's "deep penetration" air raids on Egypt early in 1970, led the Soviets to risk their own power and pentigs to protect Egypt from Israeli attack. Substantial amounts of Soviet air defense equipment, including at preserving Moscow's position after Nastr's death. conclusion of the Egyptian-Soviet friendship treaty on May 97, 1971 was aimed from an estimated 6,000 in early 1970 to around 15,000 by the end of 1970. The Soviet combat units, were committed and Soviet military personnel increased where, after the The Soviet position in the Middle East was particularly strong in Egypt June 1967 was, the USSR bad acquired military facilities for

major move by the USAR to establish a position in the Middle East less dediversify its presence in the Middle East beyond Egypt. The conclusion of Trenty of Friendship and Cooperation with Iraq on April 8, 1972 marked pendent of the demands of the Arab-Israell conflict and the Soviet presence Increasingly aware of the vagaries of Arab politics, Monore sought to

complexity of their relations with the Arab States. The Arab decision to go to their evolving detente relationship with the US, and in part because of the war, bowever, forced the Soviet hand. Moscow gave strong political backing to the Araba, and mounted a major air and seaborne lift of military supplies to them. less active in the Middle East, in part because of the emphasis they gave to between their expulsion from Egypt and the October 1973 was the Soviets were drawni of virtually the entire military advisory force from Egypt. In the period dramatically set back on July 18, 1972 when President Sadat ordered the with The expanding Soviet involvement and influence in the Middle East was

sponse and placated by US pressure on Israel to obey the coase-fire, the Soviets did not take such action. the Soviets to threaten to intervene unilaterally. Faced with a strong out a cease-fire. The failure of lirsel to observe the cease-fire, however, caused military position, the Soviets invited Secretary Kissinger to Monoow to Union into direct confrontation with the UK Faced with a diversorating Arab Soriet support for the Arabs during the war threatened to bring the Soriel d

diplomacy aimed at a settlement, their relations to Moscow. The Soviets have been unable to play a major role in Middle East enhance the Soviet position, events since the war have been a disappointment Although the Soviets calculated that their support for the Arab side would with Egypt bave continued

failure to offer all the support they wanted against Israel and disappointed to the US for a Middle East settlement in addition, Moscow has had to conwith the quality of Soviet technical and economic ski, ticularly Saudi Arabia. The Arabs have also been distillusioned with Moscow reducing their dependence on Moscow. A number of factors have contributed deteriorate and even such statements as ling and Syria have abown an interes Soviet setbacks but the most important has been that the Araka have looked locremed influence of oil rich conservative Arab states,

takingly built-up position in the Middle East. domination of the settlement process by the US which has undercut their painsproce settlement. They are learful that an Arab military defeat would lead to the possibility of a US-Soviet confrontation. rar is to be avoided. On the other hand, the Soviets have bitterly resented the The Soviets have adopted an animiralent view of movement toward. echnowledged that a degree of aliphomatic and a second For this reason, the Soviets

it is willing to guarantee land's pre-1387 haders and has politically arrange e second Egyptian-Irraeli disengagement agreement, na unted a serious the spring of 1975 following the cions of the bilateral disengagement talks. They have argued that the Middle East diplomacy. They have tried to limit US and Egyptian efforts to ne sume diplomatic ties with Israel if progress is made toward a . it on each conference gotiste independently from Moscow by faming Syrian and Palestinian suspi-Aviv's opposition to a Soviet role in the settlement but unsuccessful effort to vonvene the conference. In order to moderate Tel The Sovieta, therefore, have energetically sought a was proper forum for resolving the Middle East situation collapse of Secretary Kissinger's efforts to process, Macon bus said role for themselves ~ 411 7 3

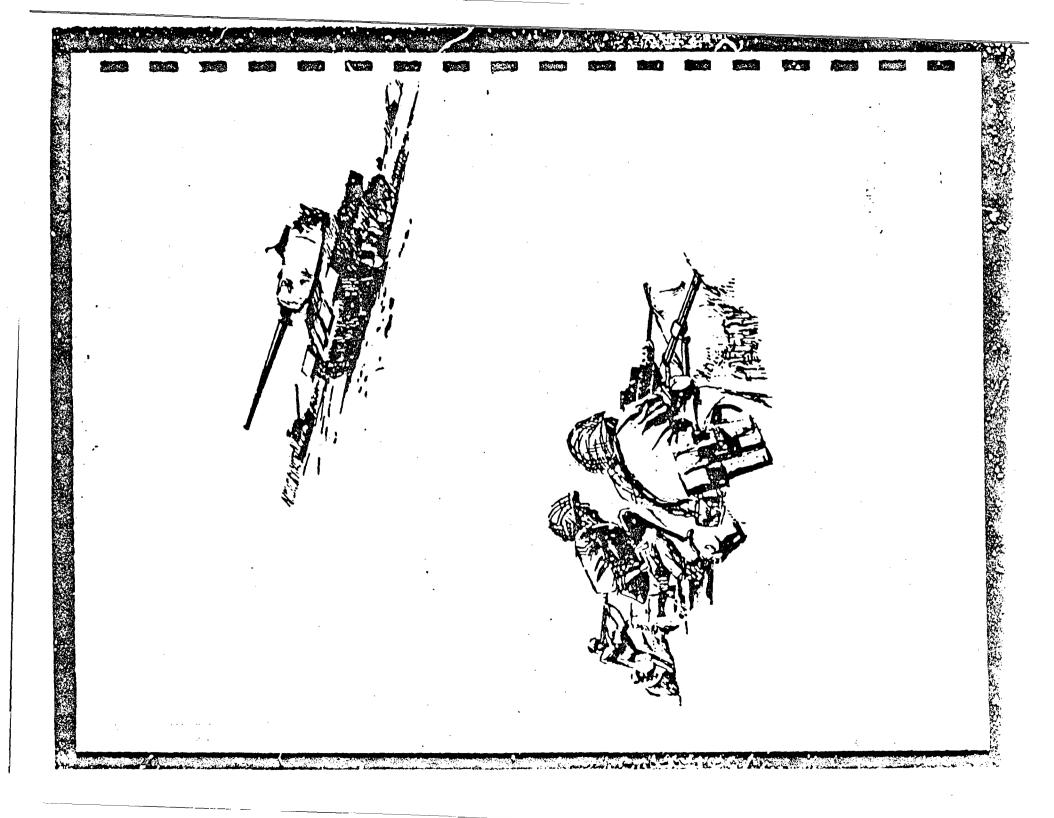
cut its ties with Egypt completely. The Soviets recognize that some influence gram, refused to reschedule Egyptian debt payments, and have permitted policies, the Soviets have significantly curtailed their militury assistance protect their remaining interests in Egypt, such as use of port facilities in Alexandria in Egypt is extential in their broader goals in the Middle East and want to pro efforts o The Soviets have been particularly upset by Egyptian President Sadati economie assistance program to stagnate. Moscow, however, improve relations with the West and indicate their dissatisfaction with Egyptian foreign and internal lessen Egypt's dependence on **DE** 

relations continue to deteriorate, opposition to sophisticated weapons; the Soviets probably hope to obtain use of Libyan ports ruvegly anti-Communist. for their naval vessels. Moscow, In order to pressure Sadat and to develop an alternative to Egypt should Libya. In 1974 and 1975 Moscow sold Libya substantial Israel, and Tripoli remains suspicious of Russian intentions and however, does not share Libya's intransigent the Soviets have sought to improve relations amounts of

substantial military and The Soviets have sought to maintain close relations with Syria through a coponic assistance program. Although Moscow has

that it cannot dictate sought it influence Syria's negotiating position in the peace talks, it is aware that it cannot dictate to Damascus its policy towards settlement. The Soviets tical support as well as military supplies and training. Moscow, bowever, been frustrated by disunity among the fedayeen gpt , and has not fully fedayeon

SECOLI



## B. MUTARY STUATION

### C General

services. Although it has lost control of some territory of the Sinal and the Colan Heights, Israel sell enjoys some strategic depth. To preclude rejectition of the Initial seneceses achieved by Anab forces in October 1973, Israel is developing an effective strategic warning system and designing a better force balance. The force belance is being improved by additional artiflery units and upgraded mechanized infantry units, by maintaining a larger standing more advanced technical skills in the Arab forces umy, and by Improving electronic warfare and night combat capabilities. to employ combined arms forces, overall military superfortly due Despite improvements in training and discipline by of modern sophisticated adaptability of the Larseli soldier, and possention of large quantities of mo-Defense Forces (IDF) retain an over superior leadership, a better capability

Arab forces have a limited capability to conduct large scale sustrined offensive operations. They can be expected to continue to trapzone the outlize their equipment and to make strong efforts to overcome de in leadership, higher-command ability, and technical skills.

## L Ground Forces

at by the war, the lawell Amy is capable of defeating the combined Arab ranies scross a broad spectrum of kreek of combat. The strength and combat verpons. As of July 1973, Israel had at least one-third more tunks, more than Pood Pood During the 1973 Arab-Israeli war, the Israeli Army, under especially difficult combined A:ab tower of the Israeli Army have increased significantly since the October 1973 rar, perticularly due to the growth of the army's inventory of more modern circumstance, again demonstrated by superiority over the combined Arabamides. This advantage continues to be based on the qualitative factors of highly idilled motivated personnel, excellest training, and tactical expertise. All significant skilled motivated personnel, excellest training, and tactical expertise. All sig-nificant Arab gains were made prior to effective Irraelt mobilization which, when carried out, clearly shifted the advantage to the Irraelts. Based on overall performence charing the war and efforts underway to correct weaknesses posated three times more M113 armored personned curriers (APCs) than it had imme liately prior to the war. Israel has used this equipment to organize at least one sew reserve armored division; a second new reserve armored division is to as many 155-mm and 175-mm self-propelled artiflery priesse, 

process of formation and should be fully operational by the end of this year. This will, by late 1975, allow the Isruelis to field nine armored divisions and two division-level task forces (compared to seven during the October war).

A large and relatively modern arms inventory gives the Arabs the capability to engage the 1DF with weapons of generally equal quality. Currently, the combined Arab forces enjoy an edge in numbers of field artillery, tanks and antitank weapons. Moreover, a large quantity of modern night observation, target detection devices are a gallable to the Arab soldier, although only limited use of night fighting equipment was made in October 1973. Egyptian and Syrian combat units reflect strong Soviet influence in the techniques of employing massive integrated armor, infastry, and artiflery forces.

The Egyptians have a particular appreciation for the main Israeli ground threat—armor. Equipment is the Egyptian Army's single greatest strength. All divisions are either mechanized or motorized with a large percentage of first-line Soviet/Waraw Pact vehicles equipped for night operations as well as a chemical/biological environment. The Egyptian Army is the largest of the Arab armies and has a current inventory of tanks and APCs estimated to be equal to that of the prewar October 1973 level. Since the October war, several major units have been reequigiped and retrained. Overall capabilities generally equate a those possessed prior to the October war. However, compared to the Israeli Army, the Egyptian Army in mid-1975 is weaker than in October 1973 due to the Israeli army's improved expabilities and increased inventories.

While the Syrian Army is similar to the Egyptian Army in equipment and dortrine, there are major weaknesses in organization, logistics and personnel. These vulnerabilities will severely affect the Syrian capability to conduct a sustained offensive, but are of lesser importance when Syria is on the defensive. Major changes have occurred in the Syrian Army since October 1973. Equipment lost in the war has been more than replaced by the continuing Soviet resupply. The medium tank inventory is estimated to have increased by over 20 percent and more modern weapons such as the T-62 tank, BMP armored personnel carrier, BRDM-2 armored recommissance vehicle w/SAGGEA antitank missile, and the 25U-20/4 AA gun have provided a rignificant increase in the army's combat potential. Training and exercise activities have been intense during the past 18 worths. Although no new units have been identified slace the war, the Syrian Army has sufficient equipment and independent brigades to organize one new armored division. There are indications that this may have been accomplished. Reports that the Soviet-produced SCUD surface-to-surface missue system is in Syria have been confirmed.

In the short term, it will not be possible for the Archs to close the gap between their armies and the Israeli Army. The weaknesses of the Arabs can only be overcome by a determined and long term effort.

### 2 Napal Forces

The Israeli Navy has combat superiority over any Arab navy or combination of Arab naval forces. Because of the quality of its organization, personnel, training, and equipment, it will on time to possess this distinct advantage over Israel's potential enemies in the Mediterranean Sea-Red Sea area at least until the 1980s. In multiple engagements with STYX missile-equipped OSAs and

KOMARs of the Egyptian and Syrian navies during the October 1973 war, history's first battles between surface-to-surface guided missile-equipped naval combatants, the Israelis emerged victorious, sustaining no losses while inflicting beavy losses on the Arab navies.

The Egyptian Navy's capability to counter the Israeli Navy is minimal. Although it is expected to improve, force parity with the Israelis is not envisioned within the next decade. Should the threat of hostilities with Israel diminish, the Egyptian Navy may be expected to diject more of its efforts toward the development and maintenance of a force capable of fulfilling a diplomatic role. The Egyptian Navy has visited Algiers and makes regular use of port facilities in the Sudan, South Yemen, and Somalia.

The October 1973 war demonstrated that the Syrian Navy was an ineffective force. It does not at present and will not within the forescoable future pose a significant threat to Israeli ships or installations.

### 3. Air Forces and Air Defense Forces

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The Israeli Air Force, qualitatively superior to the Arab air forces, is capable of maintaining air superiority over Israes and the occupied areas and of gaining and maintaining air superiority over any chosen part of the neighboring Arab countries. The quality of personnel is superior to that of the Arabs and provides a decidedly clear advantage in at-to-air combat and deep strike missions. Future effectiveness of its close air support and interdiction capabilities will depend upon its ability to suppress the Arab air defense systems and provide better-trained forward air control teams to work with the ground force elements.

The Arabs will not be able to deny Israel air superiority for some time dive to their lack of combat qualified pilots and technical personnel. However, their ground-based air defense systems do provide a means of inflicting serious damage upon the Israeli Air Force and degrading its close air support and interdiction roles.

Egypt remains over 100 aircraft short of its prewar total of 800. However, acute spare parts shortages are believed to have been remedied by the resumption of Soviet deliveries. These have included new aircraft such as the MIC-23 and additional numbers of the SU-20 and MIC-21J. With the addition of the Mirage aircraft from France, Egypt has begun to diversify its aircraft supply from its former complete dependence on the Soviet Union. The Egyptian Air Force has started the transition to a new generation of aircraft as the MIC-23s, MIC-21Js, SU-20s and Mirage 5s replace older MIC-15/17, SU-7, and MIC-21 aircraft.

The Syrian Air Porce has also medernized and improved since the October 1973 war with the addition of newer types of Soviet aircraft, i.e., MIC-23/FLOGGER, MIC-21/FISHBED J, and SU-20/FTTTER C, and the acquisition of greater numbers of jet qualified pilots. However, due to logistic difficulties and qualitative and performance deficiencies, the Syrian Air Force continues to have a marginal capability as compared to the Israeli Air Force.

The following points demonstrate the employment doctrines of the Arab and Israeli air forces which are mainly dictated by lack of skilled personnel on the Arab side and a past imbalance of infantry and artillery forces on the Israeli side.

missiles and air defense artillery. augmented by Israel employs aircraft as the primary battlefield an vefense weapon, ground-air defense systems, while the Arabs use surface-to-air

The Israelis have will tactical air support as a primary means of providing heavy fire support to divisional units while the Arabe use large amounts on artillery. There are indications that the Israelis have changed this tactical doctrine. The artillery corps has been expanded significantly and will be used to support cominat units, while attack aircraft will be used in interdiction and air defense destruction roles.

The krisells depend upon their more highly skilled pilots and better aircraft for air supremacy while the Arabs attempt to offset these advantages with numerical superiority.

### P tros

### 1 Cround Force

## (a) Capabilities

on the fourth espable of Toptu e Israeli Army can successfully contain simultaneous attacks on all (Egypt, Syria, Lebanon, and Jordan). Fully mobilized, the army is defending on any three fronts while lamching a major offensive

Combat effectiveness is enhanced by:

- (1) High quality personnel who can be generally characterized as highly motivated, well trained, technically profident, and well educated.
- (2) Integrated internal lines of communication.
- (3) The ability to mobilize rapidly.
- (4) Highly capable field commanders who have demonstrated the ability to successfully direct highly fluid battlefield eftuations, organize seize toe initiative from their opponents. rapidly expanding forces, and starting from a defensive posture quickly

night fighting capability and to increase the size of its monitions and materiel stockpiles. The combat effectiveness of each Israeli amored division is being and effectiveness of the mechanized infantry and artillery, to develop an effective scheduled to be added. In addition, the army is improving the combat capability of its mechanized formations. Overall combat capabilities have been improved enhanced by the inclusion of an additional issumm self-propelled artillery battalion (12 tubes). An artitank guided missile battalion (26 introducts), is also retain and probably increase its superiority over the Arab armica lined mobilization procedures, a higher active duty strength and improved defensive fortifications. During the second half of 1975 the Israe'i Army will by increased operational readiness, better and more astensive training, stream-Since the recent couldet the army has endeavored to increase the numbers

## (b) Personnel Strength

135,000 (number fluctuates as a result of periodic reserve trai "& and regional tensions). The previar October 1973 mobilized strength of 88,000-80,000 proved inadequate to provide a sufficiently safe margin against surprise attack

## (c) Organization

An additional armored division is believed to be forming division level task force and several independent brigades remain in existence Although the ritorial Command areas, plus the Jerusalem, Tel Aviv and Haifa Military Districts which are capable of independent operations abould they become isolated. Israel is divided into Northern, Central, Southern and Southern Sinai Ter basic operational unit is now the armored division, at least one

### (d) Deployme &

one mechanized infantry brigade. armored divisions, an active division-level task force, an active airborne brigade Ceneral Headquarters. Southern Command controls two active and one reserve reserve brigades. One of the airborne brigades is directly controlled by IDF Units in Central Command three active infantry brigades and one Syrian Front and currently has one active and two reserve armored divisions and possibly one or two reserve brigades. The Southern Sinai Command controls Northern Command is responsible for ground force operations 2. T T or two reserve brigades under its control peration include two reserve armoned active airborne belgides, and several 8 F

## (e) Major Tackfool Units

| a compact and appear begode | 3 artillery group beackpoarters | Il infantry/mechanised brigades | 2 armored brigades | 5-8 airborne brigades | 1 task force beadquartess | S armored divisions | Ciena                        |
|-----------------------------|---------------------------------|---------------------------------|--------------------|-----------------------|---------------------------|---------------------|------------------------------|
|                             |                                 | •                               |                    | •                     | :                         | :<br>•              | ACT THE                      |
| 7500                        | H                               | 1,500/1,908                     | 1,300              | 1,000                 |                           | Had                 | ACTIVAL CHART THE MANAGEMENT |

## (f) Status of Equipment

M-113 APC variants. The inventory of 185-mm self-propelled artillery will be increased by purchases of the US M-109 self-propelled howitzer and domestic production of the L-33 self-propelled 185-mm gun. the next few years by the continuing delivery of M-48 and M-80 series tanks and M-113 APC variants. The inventory of 185-mm self-propelled artiflery will be and T-S4/T-S5 tanks, has been integrated into the tactical units. Tank and armored personnel carrier (APC) holings will be substantially increased over ture, but also includes many captured vehicles and weapons of Seviet origin becomes obsolete. Some Soviet equip...nt, primarily vehicles, rochet launchers Quantities are sufficient for full mobilization. The army continues to effectively maintain and rehabilitate equipment and to modify and replace that which Armament consists principally of weapons of US, UK, and Israeli manufac

### (8) Logustra

or national workshop) depending on the complexity of the job. Modern mainis accomplished at one of four echelous (battallon, division, territorial command Headquarters depots to units, as the situation requires. Vehicle maintenance tional units. During wartime, supplies may be moved directly from General theory supplies flow from base depots to the territorial commands, to the operaby reservints. It depends The Israeli logistic system is streamlined and efficient and is manned largely beartly on support from the civilian economy. In

Soviet equipment, though less well supported, is maintained by the local production of some parts and by cannibalization of the large pool of unserviceable tenance practices are followed, and maintenance personnel are highly skilled and very efficient. Overall, maintenance capabilities are impressive. Stockpiles IDF is expanding its transport vehicle inventory, and mobilization plans include provision for the use of as many civilian vehicles as are considered necessary. Outside assistance would be required to support a more protracted war. and could support total mobilization for an estimated three to four weeks. captured vehicles. In the field, spot shortages of all types are resolved through are controlled and spares distributed through a modern computerized system

## (h) Reserves and Mobilization

manpower reserves to an estimated maximum requirement of 400,000 within signed to units or by reducing units to cadre strength. It is possible to mobilize all and reserve units composed of reserve perpoined and regular cadie. The accommissions or decrease active strength rapidly by calling up reserves 175,000-200,000 could be maintained for several months without seriors effects a week. The civilian economy would be severely strained, however, if the 72-bour about status. maximum mobilization were maintained the economy. There are three categories of mobilization alert: 34-, 48-, and There are regular rolls composed of regular cadre and conscript personnel for more than three weeks. Forces of

90,000 on duty at the opening of bostdities. before the During October 1973 Israel essentially began mobilization only four hours are the Arab attack. Peak mobilization reached about 350,000 including the

### 2 Navy

(a) Copabilities

The Israeli Navy is capable of:

- (1) Successfully engaging enemy naval combatants.
- (2) Landing elements of the Naval Commando Unit on bostile beaches.
- (3) Protecting the national coastline from Arab naval attack.
- (4) Transporting over 1,500 troops in the Galf of Aqaba and the Galf of Spec.

collete a re-cutrement of eight rounds/tank/day at "normal" conflict levels and 13 rounds/tank/day at "normal" levels, it is estimated that the expenditure rate during the October tank/day at "normal" levels, it is estimated that the expenditure rate during the October tank/day at "normal" levels, it is appears that an expenditure rate of 12 rounds/tank/day was as 4.5 rounds/tank/day was far would require expenditure at appendinately is unrealistic, and that restained intensity was far would require expenditure at appendinately soft rounds/tank/day. Using rates of the rounds/tank/day and eight rounds/tank/day eight rounds/tank/day in the loss of 2,000 tanks, it is estimated that the 105-mm stockpile is sufficient for \$1.34 days of combat. The IDF estimates that it will use 135-mm artiflery summunition at the rate of 31 rounds/tabe/day at the normal level of combat and 50 at the intensive. The expenditure rate in the 1973 was was about 25 rounds/tabe/day 17-ta-\*Israels amountion stuckplies are thought to be sufficient to support conflict for the four weeks. The key librors in this assessment are shells for the 105-cam bank gus and 155-cam bowther. The stuckplies of these librors are estimated to be at least 444,000 301,000 rounds, respectively. In the case of tank amountion expenditures, the Israelis The expenditure rate in the 11 rounds/tube/day and 25 round estimated that the larsells have 973 was was about 25 rounds/tobe/day. Using rates of k/tobe/day, and calculating on the basis of 458 tobes. It sufficient ISS-own stock for \$1.34 days of combet. support conduct for three



- (5) Providing logistic support to the army.
- (6) Conducting very limited antisubmarine warfare,

The 18 SAAR-Class guided missile boats, equipped with Israeli-manufactured Gabriel surface-to-surface missiles, have provided the navy a superior weapon system against Arab ships and missile boats. These are the navy's principal combatants. Acquisition of US-manufactured SWIPT-Class patrol boats (modified to Israeli specifications and designated DABUR-Class) and indigenous production of these boats, have reduced the need to employ the SAAR missile boats in routine patrol operations and enhanced the navy's limited capability to protect its sea lines of communication. Air defense consists of antiaircraft guns on individual naval units. A mise countermeasures capability and a more effective and extensive antisubmarine warfare capability are subjects of current interest and development.

### (b) Personnel Strength

4,500 (500 officers and 3,900 enlisted men, including an estimated 275 personnel assigned to the Naval Commando Unit) is the normal peacetime strength. This force is currently augmented by an estimated 500 mobilized reservists. An additional estimated 5,000 reserves are available for mobilization.

### (c) Organization

The Officer Commanding is responsible to the Chief of the IDF General Staff for all matters affecting the naval forces. Operating forces are divided into four major commands:

- (1) Heifa Base Command
- (2) Ashdod Base Command
- (3) Red Sea Command
- (4) Naval Commando Unit
- (d) Deployment (See Map IV)
- (e) Ship Types (See Map IV)
- (f) Status of Equipment

All ships are in excellent condition and are normally maintained in active operational status in a high state of readiness. The eighteen guided missile bosts—twelve French-built SAAR II and III and six new longer-range Israeli-built SAAR IV—carry from five to eight Cabriel surface-to-surface missiles each. The first of six additional SAAR IV bosts, on which local construction was scheduled to commence in April 1975, could be launched by late 1976 or early 1977. Indigenous construction of DABUR patrol boats is also adding to the inventory. Delivery of the first of three small 500-ton attack submarines currently under construction in the UK is projected for mid-1976.

### (g) Logistics

Construction, repair, overhaul, and modification of naval craft is performed at Israel Shipyards, Ltd., and at the two naval repair shops in the port of Haifa.

Repair facilities also exist at Elat at the northern end of the Gulf of Aqaba. Attempts to develop an afloat logistic supply system which would enable the navy to conduct sustained operations away from home ports have been hampered by an inability to secure appropriate ships for this purpose. However, Israelimerchant ships could provide some afloat logistic support for small-scale combat operations.

### (h) Reserves and Mobilization

There is a well trained reserve of about 5,000 (including 450 officers) plus an estimated additional 300 coast guard and civilian employees available for mobilization. The large majority of the reserves live and work in the port cities and can be mobilized in a matter of hours. Reserves mobilized in the 1973 war worked primarily in shore support functions.

### 3. Air and Air Defense Force

### (a) Capabilities

The Israeli Air Force is the most combat effective air force in the Middle East. Although numerically inferior, it is operationally superior to any Arab air force or combination of Arab air forces. It has increased its attack-bomber and interceptor strength by 12 percent and has an improved munitions inventory of advanced air-te-air and air-te-ground missiles, guided bombs, and general purpose and cluster bombs. It is expable of:

- (1) Defending Israeli air space against all Arab air forces.
- (2) Maintaining air superiority over battlefield areas.
- (3) Conducting offensive air operations over Arab lands.

The air defense fighter force is supplemented by the HAWK and CHAPAR-RAL surface-to-air missile (SAM) systems.

### (b) Personnel Strength

Approximately 19,000, including 1,050 pilots (650 jet qualified), approximately 500 trainees and other aircrew personnel. There are approximately 17,500 ground personnel. Some 40 to 50 Israeli pilots are believed to have been lost in October 1973. Current pilot to jet aircraft ratio is about 1.5 to 1.

### (c) Organization

The air force commander exercises command and control of operational squadrons through the seven subordinate wing commanders. There are 26 squadrons. Missile units are controlled directly from command centers.

### (d) Deployment

The majority of operational aircraft are deployed to seven major airfields within Israel (one exception is Gaen Naqb which is approximately 15 miles west of Elat) (See Map III). Small numbers of aircraft are deployed on a rotational basis to Sinai airfields such is Ras Nasrani and Bir Jifjafa for 30-day periods. The close proximity of Israel proper reduces the need for extended deployment to the Sinai. Missile units are deployed for point defense throughout Israel and the occupied territories.

### (e) Major Air Units

| Uzera                            | ADICIAPT   | PROCEPAL BASES                                     |
|----------------------------------|--|--|
| 5 fighter-bomber squadrous       | 74   | Ramat David, Hatnor, Egron,<br>Hatnerim            |
| 4 flighter-interceptor squadrous | Mirago   | Hatsor, Ramet David, Gara<br>Nagh                  |
| 8 attack-bomber squadrons        | A-4, Super Mystere                               | Remat Devid, Egron, Hatserim,<br>Caen Nagh, Hatsor |
| 4 transport squadrons            | C-130, C-47, C-97, Boeing 707                    | Ben Carion (Lod), Egren                            |
| 4 helicopter squadrons           | Super Freion, CH-53, Agusta<br>Bell-205, Utility | Egron, Hatsorina                                   |
| 1 training squadres              | Touga  | Hatrecist  |
| 17 HAWK missile batteries        | (S launchers/36 missiles per                     |  |
| 12 CHAPARRAL fire units          | [1 launcher/12 missies per unit.)                |  |

### (f) Status of Equipment

The air force has at least an 65 percent operational combat aircraft capability as demonstrated during October 1973. The exceptionally high sortic generation rates of about 2.5 sorties per aircraft per day achieved during the last war, a low accident rate, and the capability to modify aircraft, attest to the excellent technical capabilities of ground personnel and israeli Aircraft Industries (IAI).

### (g) Logicus

The Israeli Air Force is dependent upon the US for most of its modern high performance aircraft. The air force logistic system is patterned after that of the US Air Force, but has been adapted to meet Israeli Air Force requirements. If the Israelis are successful in their efforts to standardize the inventory of successful to a few modern types, the present complex logistics will be simplified. Parchasing missions are maintained in several Western countries to facilitate precurement.

### (b) Reserces and Mobilization

The air force is the only Israeli military force which can accomplish its mission without mobilizing reservists. However, approximately 5,000 reservists were mobilized during the October 1973 war. Depending upon the type aircraft assigned, units with older planes have an estimated 20-25 percent reserve strength; squadrons with newer aircraft have only about one percent. Air bases employ security forces composed primarily of reservists.

### C Arab States

### L. Egypt

### a. Ground Force

### (1) Capabilities

The Egyptian Army is the strongest of the Arab armies. All units are estimated to be combat ready with the exception of elements of one mechanized infantry division presently being reequipped and retrained. It can:

- (a) Conduct a large-scale offensive with limited objectives against Israeli forces in the Sinsi.
  - (b) Inflict heavy casualties on an Israeli invading force.

Assets include a large inventory of modern weapons, effective combined arms organization, good basic training and improved discipline.

Major limiting factors include:

- (a) A general shortage of technically qualified manpower.
- (b) A general lack of troop initiative and flexibility.
- (c) A low level of tactical expertise and flexibility at higher command levels.
  - (2) Personnel Strength

Estimated at 300,000, but probably higher.

### (3) Organization

Egypt is divided into eight military districts and the Suez Canal front which contains two field army areas. Each military district/field army commander is operationally responsible for all regular and paramilitary forces within his army area.

### (4) Deployment

The majority of ground forces are deployed along the Suez Canal (see Map II).

### (5) Major Tactical Units

| Units                                  | Unit stricts |
|--|--------------|
| 2 Beld armies                          | gak.         |
| 5 motorized infantry divisions         | 17,200       |
| 3 mechanized infantry divisions        | 17,500       |
| 2 armored divisions                    | 18,000       |
| 9 infantry brigades                    | 3,900        |
| 1 mechanized infantry brigade          | 3,900        |
| 3 armored brigades                     | 2,500        |
| 1 presidential guard brigade (armored) | 2,500        |
| 1 recognetisance brigade               | 1,000        |
| 10 artiflery brigades                  | 900          |
| 1 perstroop brigade                    | tak          |
| 3 perstroop bettalions                 | 500          |
| 2 sirmobile brigades                   | tenk         |
| 3 airmobile bartalions                 |              |
| 5 commando groups (brigades)           |              |
| 30 commando Settalions                 |              |

<sup>&</sup>lt;sup>1</sup> One brigade in each division is mechanized,

### . ... tus of Equipment

Major - 1211 ive from the USSR and Czechoslovakia, and most of the October 1973 w. 1 isses have been replaced by the USSR and Warsaw Pact nations. Equipment includes late model items, e.g., T-82 tanks, BMP armored personnel carriers, SCUD surface-to-surface missiles, FROC-7 rockets, and SAGCER antitank missiles.

<sup>11</sup> wire less five special brigades equipped primarily for autituak operations.

### (7) Logiatica

tioned adequately during the October 1973 war. It probably could support a multi-division operation with the limited objective of attacking the western ammunition, and supplies. major ground force equipment in an operational status during extended periods of increased preparedness. It is probable, however, that shortages of spare parts would occur during intense hopfilities. Equipment delimetes since the October was have included greates and rocket launchers, unfaintensit guns, artillery, on the frequency and level of training exercises being conducted, it is estimated that the maintenance system has both the spare parts and personnel to maintain entrances to the Sinai passes, but it is doubtful that it could adequately support over long distances on roads valuerable to air and ground interdiction. an offensive deep into the Sinal, which would involve the movement of supplies has sufficient stocks to sustain at least 13 days of models. Ammunition stock levels are not known, A substantial amount of the APCs and medium tanks were the BMP and T-62 armored personnel carriers (APCs), medium tanks, and miscellaneous vehicles forces conduct frequent sumervers and live fire societa esupply. This judgment is largely based on the fact that Egypt is dependent upon foreign sources for all major equipment, parts numition, and supplies. The army's logistic system appears to have func but it is estimated that Egypt combat operations without Egyptian ground

## (8) Reserves and mobilization

of technicians and officers. Approximately 125,000 reservicts prior to the October 1973 war. Most have since been returned to civilian status. Up to battallon-size units can be called to active duty. The army is estimated to be able to equip one reserve infantry division without outside support. prior to the October 1973 was. Little is known about the Egyptian reserve system. There is a reserve pool were mobilized

### P. Nacy

### (1) Capabilities

The Egyptian Navy is capable of

(a) Deploying a strike force into the castern Mediternmean or Red

capable of impeding merchant shipping.

(b) Providing limited defense of selected locations along the coast by

The Rocket Launch Brigade (guided missile patrel boats) is the best unit in the navy, but is unable to counter the largell SAAR boats. An interfacet transfer of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the Modificannean Sea and the Red Sea, carried out of naval units between the New Sea, and the Red Sea, carried out of naval units between the New Sea, and the Red Sea, carried out of naval units between the New Sea, and the Red Sea, carried out of naval units between the New Sea, and the Red Sea, carried out of naval units between the New Sea, and the Red Sea, and the Red Sea, carried out of naval units between the New Sea, and the Red Sea, and the R of naval units between the Mediterranean Sea and the New Sea, carried on late 1974 and early 1975 via the Suez Canal, substantially increased the in late 1974 and early 1975 via the Suez Canal, substantially increased the intensity of the Canal strength of the Egyptian Red Sea Fleet and the recent opening of the canal strength of the Egyptian Red Sea Fleet and the recent opening of the canal has enhanced Egypt's naval mobility in peacetime. patrolling or mining

٠.

## (2) Personnel Strength

10.15

1,700 special unit (150 officers, 17,500. Includes 15,800 general service (3,500 officers, 12,000 enlisted), LSSO enlisted)

## (3) Organization

Armed Forces, and operates from Naval Commander in Chief of the Navy is subordinate to the Chief of Staff, Forces Headquarters in Alexandria

branches. Administratively, the floot is organized into five brigades and The naval staff consists of a number of directorates, departments, offices, and 

THE WAY STATE AND A STATE OF

2

### Brigadas

- destroyer (including patrol seconds) submartise rocket leanch (guided missile patrol boets) motor torpede bost/fast patrol boet.
- special uses

### Floring

- minorecepter
  antisubmarine (sub chasers)
- (4) Deployment (See Map IV).
- (5) Ship Types (See Map IV)-
- (8) Status of Equipment

the state of the second second second second

is fair, the material condition of many ships is poor and the deterioration rate is rapid. Egyptian naval leaders have indicated modernization will stress procure ment of smaller, efficient units to replace major combetants. Ships are predominantly of Soviet origin. The overall expdition of the navy

### (1) Lagistics

to those ships south of the Suez Canal where there are no major supply or repair bases. Shipyards in Alexandria provide routine maintenance and repair for all is generally done at foreign yards. naval ships in the may's logistic system is considered inefficient, especially in relation Mediterranean Fleet, but refit of destroyers and

## (8) Reserves and Mobilization

subject to recall. There are about 1,500 organized reserves. All former saval personnel are

### At Force

### (1) Capabilities

The air force, consisting of over 400 fighter aircraft, does not have the cape-bility to defend Egyptian air space against the Israeli Air Force. It has:

- successfully employed against Israeli targets in the 1973 was. The KELI-equipped TU-18's present a military threat to Israel, especially to ships. electronic emitters, and command and control sites. (a) The only medium bombers in the confrontation states. These were
- Outober 1973 was resulted in losses out of proportion to its effectiveness in comparison to the 1967 (b) Demonstrated an improved close air support capability in 1973 performance. However, the effort during the
- and 3,800 troops by belicopter and 1,700 troops by transport in an initial airlift into the Sinual (c) An experienced transport force capable of deploying between 3,000

tenance difficulties compounded by insufficient technically qualified personnel Major limiting factors include pilots of limited profidency, aircraft main-

gravating logistic support problems, and equipment diversity. Most of the air forces war losses had not been replaced by the end of 1974 leaving it at about USSR began to ship strengt to Egypt. By 30 June 26 MIC-22s, 18 SU-20s, and S MIC-21s had been delivered. In addition Fgypt has also acquired about 21 70 percent of its prewar strength. Beginning in February 1973, however, the and the wide dispersal of air units which are frequently relocated, thereby agof 72 Minge sirent ordered from France.

## (2) Personnel Strength

training before becoming combat ready; and at least 4 pilots/co-pilots were checked out in the C-130 transport. About 15 pilots have completed convexion Between 100 and fied pilots, and an undetermined number of pilots training for the MIG-23; 30 MIG-17 pilots were qualified for operations; an estimated 30 fighter pilots courses to Lighthdry fighters in Sandi Arabia and Kuwait, Between 100 and 150 pulpts were estimated to have been lost during the Outbber 1973 was: were in operational conversion/training units requiring \$-12 months additional 25,000 (6,000 officers, 19,000 enlisted), including 840 pairts (580 jet-qualified). This total includes 450 MIG-21/SU-7/SU-20 and at least 40 Mirage qualified). Current pilot to jet about 15 to L

## (3) Organization

There are four air divisions composed of 40 squadrous and two operational conversion walk

(4) Deployment (See Map III).

(S) Major Alt Unita

| PRECEDIAL BASE | ÷   | Cebs<br>Cerv/Absers, inchabel, C<br>Cetrv/Absers, inchabel, C<br>NW, Dubheylah, Lerse,<br>Abrasedra   | Absorbits Datherful Ceted Al Some Down   |  |
|----------------|---|---|--|--|
| ADICANT F      | TU-16A/C<br>MIC-11 (seedy 1)<br>MIC-21E, 5U-7<br>5U-1/27<br>MIC-15/77, Minge  | AN-13<br>M24 (HOP)<br>M14 (HOOK)<br>M24 (HOOK)  | 32.2   |  |
|                | Enclara bomber squadous     Encountries squadous     Foromatisance fighter squadres     Figher/bomber squadrous     Foromatisance fighter squadrous | Eighter squartons 2 medium transport squadrons 4 light transport squadrons 8 mined medium and heavy trans NI-8 port helicopter squadrons NI-4 | 1 ASW heltopter squadron 1 ASW heltopter squadron 3 exertional fighter commentes |  |

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Note: The tactical waits are frequently redeployed, and a detachment of medium bombers dispersed in Sodem. In addition to the above alreadt, each fighter squadron has 1-3 dual seat

Principal bomber bases include: Aswara, Bera Sord, Cebel Al Baser, Jhytoklis New, and

362 SEE

A. 100

Principal Sighter bases: Al Mansura, Al Rahmaniya, As Saldayah, Aswara, As Zagarde, Bers Soud, Biffrets, Birma, Cairo Wood, Duraw, Hurphada New, Inches, Jiyandda New, Lauor, Qurweisna, Wedi Aba Rieh, and Wedi Al Jandal. One MIC-17 Sighter squadron is deployed in Syria.

others are at least 36 abscress for the medium bothism force

## (6) Status of Equipment

of technically qualified personnel, and increasingly applicated diversified due to periodic spare parts shortages, defective equipment, and limited numbers to squadrons operationally ready. However, aircraft maintenance is a improved, allowing the Egyptians to maintain ednibacer. Most of the sircraft are of Soviet manufacture. Maintenance standards have b percent of aircraft assigned problem

the state of the s

### (7) Logistica

a logistic support problem, since the major air force repair and supply bases are located in the Cairo area. Although petroleum products are produced in Egypt, the air force is still dependent on the USSR for much of its aviation fuel and spare parts because of the long supply line. ported to the airbases by rail and/or truck. There are continuing ahortages of jet gasoline and jet fael requirements. Bulk fuel storage facilities are located in the Alexandria post and Cairo areas; jet fuel and aviation gasoline are trans-The wide dispersal and frequent relocation of the Egyptian air units present ents, Bulk fuel storage facilities are located to

## (8) Reserves and Hobilization

to military control in emergency situations. evere recalled thuring October 1971. Civil strensft and personnel are transferred Little is known of the reserve system. An unknown number of reservists

## A Air Defense Force

### (1) Capabilities

units, 50 SA-3/GOA mais, and 15 SA-6/CAINFUL units. The shoulder-fired beautor-ting SA-7/GRAIL and the ZSU-23/4 self-propelled indus-controlled antito-air missile (SAM) systems including some 73 SA-2h/c/e/f (GUIDELINE to all Egyptian forces through some 90 EW sites and radar filter centers. The surcraft gun provided supplemental air defense coverage. An extensive early network extensively employs a semiautomatic data transmission system for warning radar/sir surveillance (EW/ASV) network provides air warning data laying tracking data Extensive coverage of Egyptian sinspace is provided by the multiple surface

but were vulnerable to electronic jamming and interference difficulties. An ununder the "free-fire" zone concept, downing about 40 hrack sireraft in October volume and diversity of missile weaponry smallable. SAM units functioned well was enhanced by the large number of missile firing units deployed and the phases of the October prehensive air defense system, with a cuified and efficient command and contro identification friend-or-foe known number of friendly planes were downed, at least partly due to a poor structure, continues to be a problem for the Egyptian forces. ii defense This ground-based air defense a stem performed credibly during the early weaponry and interceptor aureraft into a truly effective and com 1973 war along the Suez Canal front. Its effectiveness (IFF) capability. The integration of ground-based

(2) Personael Strength

80,000.

### (3) Organization

reportedly exercised operational control of all military assets committed to air defense. It consists of four air defence divisions, each responsible for a specific are assigned to the field armies. battalion equates to one US firing battery. Two brigades of air defense artiflety support battallons. SA-6 brigades divisions. Some brigades contain a mix of SA-2 and SA-3 mixele firing and area. Almost 30 sir defense (SAM) brigades have been identified within Air defense is a military service separate from ground, naval, and air, but contain only SA-8 battalions. One missile ğ

armies and military districts of the army. Warning/Coward Costrol Intercept (EW/CCI) sites. There is a chose associa-tion with Cowtrol and Reporting Conters (CRC) of the six force and with Reid Requirements are subordinate to the air defense divisions and as filter centers. Battallous are assigned to Early Werning Early warning radar units are organized into radar regiments and bettalions Wenting (EW) and Early function primarily

## (4) Deployment (See Map V)

#### (S) Unite

| LANGE AND A STATE OF THE STATE | 73 rader bettalloss | . 17 radar regiments | LXS S.A-7 missile firing pletoons | 3 SA-8 technical support has believe | 15 SA-6 missile firing bertakons | 15 SA-3 technical support behalions | 00 SA-3 mission firing battalless | 20 SA-2 inchaite I support battalians | 73 SA-S unberdie Ertrag bertreibens | User               |   |
|---|---------------------|----------------------|-----------------------------------|--------------------------------------|----------------------------------|-------------------------------------|-----------------------------------|---------------------------------------|-------------------------------------|--------------------|---|
|   | :                   | •                    | 6 tube lemohen/34 mission         | •                                    | 4 triple leanchers/48 missies    | :                                   | 4 tech launchers/34 minutes       | :                                     | 6 branchers/24 schedes              | Equipment PER UNIT | • |

## (6) Status of Equipment

is considered good. very is among the most modern in the world. Maintenance of the equipment Most early warning radars, conventional ADA, and all SAM equipment and auget acquisition radars are of Sovict manufacture. Egyptian air defense weap-

### (1) Logistica

maintenance and logistic support has resulted from the completion of have support facilities throughout the country. No new Soviet deliveries of equipment has been evident in over a year, of missiles. Replacement parts and ammunition are imported. Improvement in the There is some eridence of a shortege SX SX

## (8) Reserves and Mobilitation

Some reservists are known to have been called up in October 1973.

#### 2 Symia

### Crownd Force

### (1) Capabilities

The Syrian Army has only a limited offensive capability against Israel. As demonstrated during October 1973, an Israeli offensive into Syria could be

expected to meet determined disciplined resistance from forces entrenched in a well-developed s, stem of field fortifications. The Syrian Army has reequipped, retrained and refitted and it is estimated that the army would give a better account of itself today than it did in October 1973. Major weaknesses include poor leadership, a highly politicized officer corps which is repeatedly subjected to purges, insufficient numbers of trained and stilled personnel, an overcentralized command and control system, and an inadequate logistics and maintenance organization. Major assets inclu'e a large inventory of modern weapons, the ability to conduct a determined defense, and good basic training and improved discipline.

#### (2) Personnel Strength

200,000. An unknown number of reserve personnel were assigned to regular units during the war. The pool of trained manpower is estimated at 300,000.

#### (3) Organization

The army is organized on a brigade/division concept. Currently, five divisions control the operations of 20 combat brigades. A sixth division, probably armored, may be in the process of formation. Divisions and independent brigades are under the operational control of army headquarters. Syrian Army tactical doctrine is similar to that of the pre-maclour Sovia. Army, with modifications to fit Syria's needs and resources. It is characterized ay lack of flexibility and imagination, and emphasizes fire power, mechanization, and mobility.

#### (4) Deployment

Normally the major portion of the Syrian Army is deployed in an extensive system of static defenses south of Damascus, covering the most likely axis of an Israeli advance. As of June 30, 1975, major elements of at least two armored livisions were deployed to central and eastern Syria to counter any hostile moves by Iraq generated by the controversy between the two governments over water rights to the Euphrates River.

Full-scale field deployment in the area south of Damascus is very difficult to maintain during the winter because off-road mobility is severely reduced by soft soil conditions.

#### (5) Major Tactical Units

| Unite                        | AUTHORISES FRENCTS MER UNIX |
|------------------------------|-----------------------------|
| \$ armored "Ivisions         | 11,000                      |
| 3 Infantry dividoss          | 17,000                      |
| 2 grapored brigados          | 2,500                       |
| 1 armored defense force      | work.                       |
| 4 Infantry brigades          | 3,500                       |
| 2 artillery regiments        |                             |
| 1 smiltanik regiment         | 700                         |
| 2 artiflery rocket regiments |                             |
| 2 coastal defense brigades   |                             |
| 1 border goard brigade       |                             |
| 8 commendo bettalions        |                             |
| 4 airliorne bettallons       | 450                         |
| 2 reconnaissance bettalions  | 500                         |

## (8) Status of Equipment

cost trads and APC's have been provided by the cost trads and APC's have been provided by the into units. The provision of significant quantities into units. The provision of significant quantities are used by a provided personnel carrier. 250-23/4 air defense weapon, and the BRDM-3 armored reconnaissance vehicle mounting capabilities. The Syrians are also acquiring some self-propelled autiliary (T34 The army suffered heavy losses in equipment during the October 1973 was. the SACCEN and tank guided missie Las improved both offersive and defensive modern arms such as the T-62 tank, BMP armored personnel carr. Large quantities of replacement tanks and APCs have tank chassis mounting a 122-una bowttzer). Union, and integrated

### (1) Lightida

sufficient stocks of spare parts and ammunition to sustain an 'alensive level most repairs ment be accomplished at the stury leval due to thoutages of skilled maintenance personnel. It is estimated that the Srian Army possesses During the 1973 war, the logistic system performed credibly when supported laryely replaced by Soriet resupply. Reports of training emotion, firing-range units on the move. Stocks of animumition and expubes are believed to have been units were in relatively static profitions, but was not successful in supporting activities and maneuvers indicate that there is no shortage of amministon. Am-Repair priority is given to armoved vehicles and air defense artiflery. It is believe munition stores are maintained at company, battalion, and brigade levels at fixed field depots. Field maintenance and support capabilities are poor could not effectively support combat operations over extended distances. restoally, maintenance takes place at unit, brigade, dividor, of combat for two to three weeks.

## (8) Reserves and Mobiltzation

200

mission of defending Demascus; strength and equipment is unknown. It is believed that Syria could mobilize at least 50,000 men within 13 days. Civilian vehicles arould be requisitioned for military use as was tho case in October 1973. Organized reserves consist of 18-13 infantry bettakons with the primary

#### b. Nacy

### (1) Capabilities

operations and limited support to ground force operations, it cannot defend the national coardine. Its potential expublities in minerweeping, and-submarine missile boats comprise the nary's only significant offen. we especiality and could pose a threat to eastern Mediterranean shipping; however, this capability has The Syrian Navy is not an effective fighting force. Capache of coastal patrol warfare, frogman operations, and torpodo attack have not been developed. Cuided not been demonstrated.

## (2) Personnel Strength

2,000 (includes an est. "Ited 900-man coastal artillery brigade and a 40-man underwater demolition unit). The navy lacks technically trained personnel and is beavily dependent on Soviet and other foreign advisors.

## (3) Organization

trative, logistic, medical, and communications services. There is no formal naval The Syrian Navy is part of the army organization which provides adminisboadquarters staff. The Comrander of the Navy, who holds the army rank of brigadier general, is beadquartered at Latakia and is operationally subordinate to the sentor army commander in the Latakia district. The main operating base is located at Al Mina al-Bayda and ships are also based at Latakia, Baniyas, and Tartus. There is no discernible aftest organization.

- (4) Deployment (See Map IV)
  - (5) Ship Types (See Map IV)
- (6) Status of Equipment

Syrian units are maintained, under Soviet direction, in good credition and can be considered operationally ready most of the time. With the exception of an old French-bulk small submarine chaser, "Il Syrian naval combat units are of Soviet orig.: Future acquisition of Soviet boats (USA, KOMAR, and P-6) can

### (7) Logistics

flow would seriously reduce the savy's operating equability. Saviet personnel seriet in both achore and affort training—particularly in that involving mainmaintained for no more than 30 days of operations, and disruption of the import Syria has no shipbuilding capability. Minor repairs to naval ships are performed at Latalda, Tartus, and Mir al-Bayda. Major repairs must be accomplished in foreign shipyards. Spare parts, ammunition, and supplies are probably transe and operating of ships of Soviet origin.

(8) Reserves and Mobilization

There is no known naval reserve organization.

c. Air and Air Defense Force

Section

### (1) Copabilities

in either the air defense interceptor or ground attack support roles continues to be marginal though it has improved somewhat since the October 1973 war. Cround-based air defense capabilities are judged as fair to good based on the credible performance of the Syrians in the early phases of the war and further The capability of the Syrian Air Force to effectively employ its sircraft improvement since that date.

7.7.86

## (1) Personned St ---

fense (principally missile and reder units). Ourrent pilot to jet strendt ratio 30,000 total; about 15,000 in air units, bendquarters, and control centers is approximately 1 to 1. About 50 fereign offors (North Korean and Pakistani) (including 600 pilots, 440 jet qualified); about 15,000 in ground-based air defly Syrten efected.

### (3) Organization.

and only nominally subordinate to the Defense Minister, exercises direct operational control of all sircraft missiles, and radar units. Aircraft squadrons are or particled into severe air brigades and sir defense missile battallons into eight missile brigades. The Air Defense Command is part of the Syrian Air Force The Commander of the N'r Force, directly subordinate to the President

was seen

Buch

188.2

and is the apparent command and control element for all air defense weapoury in the Syrien forces.

### (4) Deployment

See (5) below and Maps III and VL.

### (S) Major Units

| PROGESTA MANY Rubayya, Dumaya, An Nasatyub, Al Quaya, Rumah, Abu ad | Dober, Parayra, Mysel Seyyal, Merze, Mari Robeyre, Taboyek Days as Zewe, Thrae, Sheyret (Dagbelog) has) | Dameyr<br>Mani en Balton, Quier en 1800, Hermal,<br>Hechangenien | Merns<br>Ngrah, Rada El Aboud, Jirsh       | Democrat-Southwest Syria and, Alba<br>Democrat-Southwest Syria and<br>Democrat-Southwest Syria and<br>Mecon, Remain |
|---|---|--|--|---|
| MC-EL, MIC-ED   | MC-EL MG-17.<br>W-1/20  | MC-11<br>M4 114  | 57   | UMC-1/18<br>USU-1   |
| Usara<br>11 hebrespher squadrons                                    | 10 ground ettack squadross  | 1 recognistance flight MIC-EL 4 beligger appelentes MIC-EL MIC-L | 1 transport aquadros<br>1 traindeg brigade | 15 S.A. 3 bactabous<br>15 S.A. 3 bactabous<br>19 S.A. 4 bactabous<br>2 sadar bactabous                              |

## (6) Status of Equipment

FISHBED J (Export) sircraft as a result of almost 200 MIC-21 deliveries stoce the beginning of the October 1973 war. Syria has also received the SU-20/FITTER fair. Aircraft utilization is known to be low in an attempt to maintain acceptable services, billity rates. The equipment status of air defense missiles, radars, and communications equipment is fair to good, largely as a result of the extensive and electronic equipment. The operational MICAL inventory is believed to be C and the MIC-23/FLOCCER since 1973 which has significantly improved the quality of its sireraft inventory. Overall status of equipment is considered only radera The Syrian Air Force is dependent upon the Soviet Union and East Euromodel FISHBED D (Modified Taport) urlandes, evisition ordinance and armament, of pend Soviet advisory/technical role. countries for strendt, composed primarily

### (7) Logistics

qualified personnel. Support and logistical units are inefficient and of limited effectiveness and have forced reliance on Soviet advisory, technical personnel. The air force logistic system is not expuble of supporting sustained combet quantities of sophisticated air and air defense equipment has severely taxed the limited manpower base of technically The air torce is bandicapped by inadequate inventory of belicopters and transport assembly -ye missile units. operations. The rapid influx of large especially in air 1.

## (8) Reserves and Mobilitation

is known of the reserve/mobilization system, but it is probable that technicism and support personnel are maintained on some type of reserve status. され

3 Iraq

Cround Force

(1) Copabilities

The Iraqi Army has limited offendive capabilities. Iraq's participation in the October 1973 war demonstrated the ability to move a large number of troops (an estimated 38,000 men) and streable quantities of equipment from Iraq to southwest Syrta. The combat effectiveness of the force ranged from poor the Kurdish conflict, however, reflected some improvement in organization, operational planning. He support, and logistic coordination. It is capable of performance in control inadequate logistical support system. The army's subsequent good, but was hampered by deficiencies in command and to southwest Syria. The combat maintaining internal security B

(1) Personnel Serreth

135,000.

(3) Organization

probably has two infinity brigades and one mechanized brigade, each mountain There are indications that Iraq plans to eventually mechanize the two regular infantry divisions. Each division has attached combat support and combat service quarters (CHQ) units two infinity, three mountain infantry, three armored, and two reserve infantry divisions organizated during the recent Eurilish conflict. Each infantry division infratry division consists of two or three mountain brigades; and each armored division is composed of two armored brigades and one mechanized brigade. division is the basic tactical unit. There are currently ten divisionsthat provide combat, technical, and service support for line unth support units. In addition, there are also general head

(4) Deployment

Fertile Crescent, the great are of semiarid grassland extending from Mosul to Iraqi ground units are stationed in eastern Iraq on the eastern half of the the bead of the Persian Gulf.

(5) Major Tactical Units

| Errourse over errors | F17,000              |                               |   |                      | 3 5                                     | 3 1                                     | j                          |
|----------------------|----------------------|-------------------------------|---|----------------------|---|---|----------------------------|
| Embun                |                      | -                             | • |                      | • | ••••••••                                |                            |
|                      |                      | visions                       | guoji                                   | ••••••••             |   | echanized brings                        |                            |
| Units                | 2 Infandry divisions | 3 mountain infantry divisions | 2 reserve telesiony divisions           | 3 gratored divisions | 1 special forces brigade                | 1 Republican Cuard spechanized britante | Ceneral Residuariers world |

(8) Status of Equipment

pean arms markets, Iraq has a substantial inventory of modern ground weapon systems, including T-92 and T-54/55 tanks, SU-100 and JSU-152 assauk guns, Approximately 90 percent of the army's equipment is of Soviet and East BTR-40/80 and BMP armored personnel carriers, FROG-7 rockets, field artiflery European origin; however, there are indications of recent interest in West Europieces, and an assortment of mortars, rocket launchers, and recoilless rifles.

not been able to employ it to its full advantage and has been described as being "overstocked and underskilled." Despite the impressive display of sophisticated wespoony, the Iriqi Army has

### (7) Logistics

surprised most observers for its rapid pace, it was greatly hampered by a lack of tank transporters. The army has since acquired sufficient transporters to Soviet and East European) for military hardware and logistical assistance. It is estimated that stocked equipment and munitions would be adequate for about transporters to equip the other two armored divisions. of the Iraqi espeditionary force to the Syrian front during the October 15-30 days of combat, depending on intensity. Although the quick movement move a complete annored division and is currently attempting to obtain additional Iraq is almost totally dependent upon foreign sources (almost exclusively

THE SERVICE AND ALL PROPERTY OF THE PARTY OF

## (8) Beserves and Mobilization

Even the opposituality to actum some active duty reservats to civilian status the government to call up an estimated two-thirds of the Iraqi reserve 35,000 men in April 1974. The 6 March 1973 Iraq/Iran accord will call up some reserves during the October was. Details and the extent of this mobilization are not known. The Kurdish rebellion in northern Iraq required There is no known mobilization plan for the Iraqi Army, but Baghdad did up some reserves during the October war. Details and the extent of this

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#### b Nacy

### (1) Capabdina

limited harassment actions with its ten OSA-Class large guided missile boats in the Persian Gulf. Torpedo boat, guided missile boat, antisubmarine, and mine warfare capabilities are limited. The Iraqi Navy is capable only of conducting small-scale operations and

## (2) Personnel Strength

Soviet advisors are believed to be working with the mays. precluding the development of a nucleus of trained namal officers. 1,000. Officer billets are filled by officers detailed from the semy, thus About 18

### (3) Organization

Staff of the Armed Forces. The chain of command runs from the Commander affort organization of the Navy to the commanders of the operational units; there is no known The Commander of the Navy is sebordinate to the Chief of the General

### (4) Deployment

**370** 

naval base is located at Umm Qast, an important military/commercial port that currently being expanded. There are five army coastal artillery battallous Naval beadquarters and the chief naval center are at Basra. A secondary

DANK.

#### SECRET

one air defense battalion, and one light air defense battery under the command and control of the navy.

#### (5) Ship Types

| large guided missile bost (PTFG) |   |
|----------------------------------|---|
| small submerine cheser (PCS)     | 3 |
| motor torpedo bast (PT)          |   |
| petrol boat (PB)                 |   |
| river guabout (PR)               |   |
| minerweeper (MSF/MSI)            |   |
| accollisation                    | 7 |

#### (6) Status of Equipment

Many of the older ships are not well maintained and some are obsoftscent and musesworthy. The newer ships, however, are apparently well serviced and in good condition.

#### (7) Logistics

The navy has only a limited procurement system and relies on the army for logistic support. Nearly all naval materiel must be imported, and replacement parts are scarce. Commercial firms provide major repairs.

#### (8) Reserves and Mobilization

There are no known reserves or plans for mobilization.

#### c. Air and Air Defense Force

#### (1) Capabilities

The Iraqi Air Force has a ground support and strategic bombing capability. Some proficiency has been gained during recent operations against the Kurdish dissidents. The ability of the air force to operate against the Israeli or Iranism Air Force is considered poor. Inexperienced ground and aircrews, poor logistic support, and dependency on foreign assistance limit effectiveness. The limitations of the air defense system have been recognized; improvements have been made to the early-warning radar system and increased emphasis has been placed on SAM training and SAM site construction. At least 20 early warning/ground-control-intercept radar sites provide good coverage of Iraq's air space and up to 150 nautical miles of western Iran.

#### (2) Personnel Strength

11,000 including 400 pilots (210 jet qualified). There are an estimated 500 Soviet air and air defense advisors and about 115 advisors from Czechoslovakia, India, Pakistan, France, and Egypt in Iraq.

#### (3) Organization

The Commander of the Air Force is subordinate to the Chief of the Ceneral Staff of the Armed Forces. The tactical squadrons are directly controlled by Iraqi Air Force headquarters in Baghdad.

#### (4) Deployment

Iraqi Air Force squadrons are generally deployed in the central, northern, and eastern parts of the country.

## (5) Major Air and Air Defense Unite

| 11 many ADA back home   | SA-8 licing units | Consecution appointment | I transport spendress TU-194, AN-14, AN-14. AN-1, Brisid, Berns | 2 bender squadross   | 9 figher equations                    | Usern  Usern  Amenare  J. Brescher (hybrid pater bill - 11, all weather | TO MINOR OF THE PARTY OF THE PA |
|---|-------------------|-------------------------|---|--|---------------------------------------|---|--|
| Dispersed around nation airfinide Dispersed around nation airfinide and justiciants | S #               |                         | K-13 Websen   | 28 Habhandyuk Flatson<br>18a Habhandyuk Flatson<br>18an Baghdad/Tuf, E-1, Kirkosk, Muth- | SU. Habburtyah Phitoca, Elrinde, Kat. | Process same<br>Habbashyah Flateen, Rashid                              | •  |

## (6) States of Equipment

Stelle aircraft are of Soviet manufacture, although some British Hawker Hunters are still in use. Some trainer aircraft and belicopters have been purexpertise and a dearth of spare parts limit effectiveness. An unknown quantity of the aboutder-fired SA-7/CBAIL air defense missiles has been received. chased from Czechoslovakia and Franca, respectively. The lack of technical

### (7) Logistics

is characterized by weaknesses in maintenance and supply and dependence on comes from the USSE. The logistic system for the air force, as for the army, and related equipment foreign assistance (primarily the Sortet Union) for already, air defense weapoury, Some logistic and technical support is provided by the army, but most

## (8) Reserves and Mobilization

There are no known plans for sir force mobiliration or the creation of a

#### A Jordan

### . Ground Force

### (1) Capabilities

but could not defend Jordan against a full scale attack by tions are inadequate command and control, lack of modern weapoury, especially The brigade performed well and suffered minor losses. The army's major limita-October 1973 Partoir P air defense, and advanced technical training, and insufficient combined arms The Jordan Arab Army (JAA) is capable of maintaining internal security, war, two Jordanian armored brigades were sent to support Arab Syrian front, but only one brigade participated in actual combat. Israel During the

## (2) Personnel Strength

#### 82,000.

### (3) Organization

The army is composed of five divisions, two air defense artillery brigades, and a special forces brigade. The basic tactical unit is the brigade; there are seven infantry, two mechanized, two air defense, one special forces, and six ermored brigades.

## (4) Deployment

The majority of ground forces are deployed in northwestern Jordan, with the exception of one mechanized infantry brigade located in Aqaba and a 5,000mes Saudi Arabim brigade with bendquarters at al-Karak (See Map II).

## (S) Major Tactical Units

| UNIT BUXONGUE | 11,000 | 10,200 | 11,000 | 00.    |                                  |  |
|---------------|--------|--------|--------|--------|----------------------------------|--|
| 2             |        |        |        |        |                                  | ,  |
|               |        |        |        | •      |                                  |  |
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| •             |        | :      |        |        | 200                              |  |
|               |        |        |        |        | 2 air defense artiflery brightes | The second of the second secon |
| Ē             |        |        | £ .    | People |                                  | 3  |
|               | •      |        | *      | -      | 4                                | -  |

## (6) States of Equipment

Major items are from the US and the UK. US equipment includes medium weapone, small amoved personnel carriers, and artistreraft guns. British equipment inand scout cars. and Landrines vehicles. Unit level maintanks, towed and self-propelled guns and howitzers, antitank cludes Centurion medium habit, light artillery please, annored Saraces armored personnel carriers, tenance varies from adoquate to good

Sal San

### (7) Logistics

issue and transport of supplies, amountion, and petroleum products is inadequate. The plamed three-day basic load of supplies and ammunition varies weapons and supplies. The logistic system for the petroleum and some fabric products, Jordan depends on greatly with the individual units. foreign sources for military Except for

S. 16 14

## (8) Reserves and Mobilization

placements. In addition, the X,700-man Public Security Force is placed under the Jordan has no formal reserves. In time of emergency 12,000 former members of the Popular Resistance could be mobilized and equipped as individual recontrol of the armed forces during times of crists.

الفاحاتك ووالثان الأجوليون

## b. Nacy (Coast Count)

The Coast Guard has no combat capability, but is capable of performing routine patrols in the Gulf of Aqaba. It consists of 200 personnel and three patrol

### c. Alr Force

### (1) Capabilitie:

The Royal Jordanian Air Force does not have the capability of successfully -verely limited by inadequate defending against air attack by Israel. It is

artillery, and an inadequate logistic system. A marginal early warning expability is available, but the radars are not effective against low-flying targets. The air numbers of aircraft, a shortage of combat-qualified pilots, ineffective air defense force has a ground support capability.

## (2) Personnel Strength

25 belicopter qualified). 4,000 (400 officers, 4,900 enlisted), including 110 pilots (70 jet qualified,

### (3) Organization

Royal Flight and radar notice The air force has three ed whop composed of six squadrons.

## (4) Deployment (See Map III).

## (S) Motor Air Units

| Righter equadron F-SA/B Price Hasan   Righter equadron   F-SB/E   Price Hasan   Righter interceptor equadron   F-104A/B   Price Hasan   India   India   Price Hasan   India   India   India   India   India   India   India     India   India   India   India   India   India     India   India   India   India   India   India     India   India   India   India   India   India     India   India   India   India   India     India   India   India   India   India   India     India   India   India   India   India   India     India   India   India   India   India   India   India     India | Umi          |
|---|--------------|
| F-SA/B<br>F-SB/E<br>F-104A/B<br>T-37<br>C-176K C-136 Dove<br>Absorts  | ADICIANT     |
| Eng Rusays Prince Hassan Prince Hassan Prince Hassan Ling Rinseys Anness International Anness International Anness International  | PROCESAL MAR |

## (8) Status of Equipment

Abstract use of US, UK, and French origin, are in good condition, and are well materialized. The in-commission rate for jet lighters is 70 to 75 percent.

### (T) Logistics

Addas viding the weapons systems. The air force 20-man ordnance supply is 30 days. somel above the grade of corporal have received training in the country prosystems in-examity are considered effective. Most supply and maintenance There is an estimated 30-day supply of feel, which is refined in-country. The Jordan is not will-sufficient logistically, however, the supply and mainten but frequently endeavors to cannibaltze due to slow deliveries maintain a six-month

## (8) Reserves end Mobilitation

#### S. Laboror

### L. Ground Force

### (1) Capabilities

victory; the army could control the countryside, but would experience strong army capable of successfully challenging the fedayeen maintenance of internal security. against Israel. Recognizing this, it is oriented to border resistance in urban areas, particularly Beirot. Levenese Army bas no The army leadership no longer considers the effective offensive or 1 survellance and defendive capability my assumpce of

#### (2) Personnel Strength

17.200.

#### (3) Organization

The army is reorganizing into five brigades to replace the regional commands. Three infantry brigades have been formed, the two additional infantry brigades are to be formed by 1980. Three new air defense brigades are planned.

#### (4) Deployment

The largest concentration of units is in the south where they are deployed on a rotational basis.

#### (5) Major Tactical Units

| Unices                                    | Unit stronger |
|---|---------------|
| 3 Infeatry brigades                       | 1.500         |
| 3 infentry brigades 2 infentry bettallous | 750           |
| I tank battalion                          | 800           |
| 2 reconstitues betalious                  | 600           |
| 1 artiflery battalion                     | 470           |
| 2 commendo bettalions                     | 370           |
| 1 air defense artillery hattalion         |               |

#### (8) Status of Equipment

Major items are from Western sources. Maintenance standards throughout the army are very good as a result of the necessity in keep old equipment operable. In an effort to improve the army's capabilities, since 1972 Lebanon has purchased tanks, artillery, M-16 rifles, and APC's from the US; tanks, APC's, artillery, and armored cars from France; armored cars, tanks, and air defense artillery from UK; and rifles from Belgium. Lebanon has made no contracts with the Soviet Union since the purchase of 25 Soviet 122-mm howitzers in 1971. In 1975 Lebanon received some used Soviet equipment from other Arab nations—air defense guns from Libya and field artillery from Syria.

#### (7) Logistics

Lebanon relies upon foreign sources for most items of supply and all major equipment. Except for ammunition, stocks are small. The logistic system would not be expable of adequately supporting the armed forces in time of war, but functions efficiently in peacetime.

#### (8) Reserves and Mobilization

There is a pool of 12,350 reservists comprising all students who receive military training in their second undergraduate year of r-hool. Without outside logistic support, approximately 4,000 troops could be mobilized by M+15. If additional arms and equipment were available, 10,000 troops could be mobilized by M+30.

#### b. Necy

The small 300-man navy has no effective combat or coastal patrol capabilities. It is totally dependent on foreign assistance for development. Navy headquarters is located at the naval operating base at Juniyah (See Map IV). Equipment includes patrol craft of French origin and a minor surphibious craft of US

bosts from the Federal origin. The navy has contracted to purchase three petrol nery reties on of Germany. engine and hull repetra Republic (

## c. Air and Air Dofones Porce

### (1) Copabilities

no offensive capabilities and could provide token defense against neighboring air force air force populars Å

## (2) Personnel Strength

1,300 (120 officers, 1,130 calisted), inclaifing about 73 pilots (all fet quali on the Minge strentt 000 Page capter quelified). T RAIL Red and in

### (3) Organization

The air force is organized into six squadrons.

| Unite                          | AURCAAT                           | PROPERTY BAR     |
|--------------------------------|-----------------------------------|------------------|
| 1 fighter interceptor squadron | Mings III                         | Dete             |
| 1 flyther/bomber systems       | Hawker Hunder                     | Rom              |
| 2 bestrapter squadams          | Abserts, A3 113                   | Seint Interestin |
| 1 transing squadess            | Chipment, Tompier, Fouge Magister |                  |
|                                |                                   |                  |

## (4) Deployment (See Map III)

## (5) Status of Equipment

Current operable combet aircraft consist of Minage III and Hawker Hunter are frequently grounded for lack of spare par a poor planning, and dependence is provided by foreign on the army for administrative support. maintenance 8

#### (6) Logarica

sources, primarily the UK and system is primitive and and eviction puoline is maintained at Befrot International Airport by commercial petroleum companies. s air force is dependent upon foreign sources, p for aircraft and related equipment. The supply sy at. Approximately two months supply of jet fuel F

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# III. ADVANCED WEAPONS DEVELOPMENT

L Front

1 Minita

Development of Irrael's ballistic missile, the Jericha, began in France in 1965, and was transferred to Israel in 1968. The characteristics of the Jericho probably are essentially the same as those in the French design except for the inertial guidance system. The Israelis replaced the original French system with of lenels their own

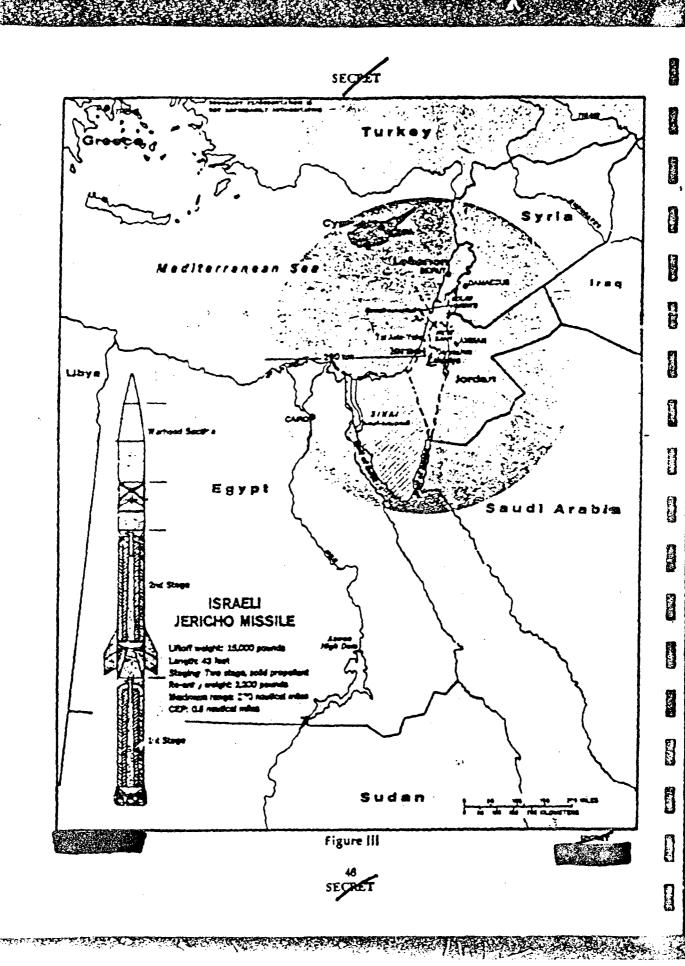
The lanets have constructed a number of major facilities for mindle proa, terting, and deployment to support the Jericho and other missile pro-These include a solid-propellant motor research and development facility and test facilities, and a missile assembly and check propellant production out plant duction grams.

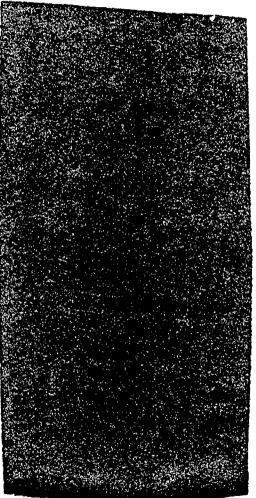
The Jeriches is a mobile, two-stage, solid propellant helikatic missile system that has both tactical and strategic importance in the Middle East. This about a sed bos is about 200 nautical no Yes, and its circular error probable (CEP) at this distance weighs about 2,200 pounds. Its maximum is abust & fret long, weighs almost 15,000 pounds, is estimated to be about 0.5 nantical miles. reentry vehicle that probably range missile

While the current status of Israel's SRBM program is uncertain, sufficient minde system for and to have began kindted are Franch MD 4220 ğ

pablity for developing and producing rocket motors. Moreover, the Israelis could e developing an improved mixile that would have considerably greater strategie with this program, the Israelis began acquiring a native ca-Cocurently

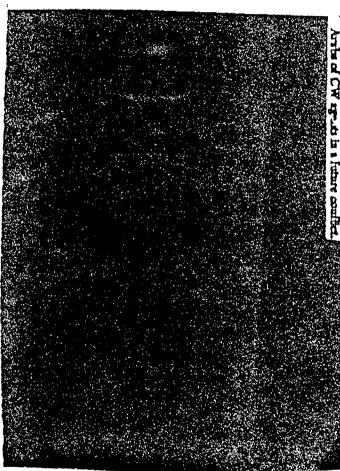
SECRE





3 Chemical

Egyptians The extensive deployment of high quality CW protective equipment by the



gr Edilba

1 Mindle

Its efforts to develop short range ballistle misules Egypt has no known program to develop surface-to-surface ballistic missiles. efforts to develop short range ballistic missiles were terminated after the war, despite many years of work and tens of millions of dollars the

SECORT 7

the technology is obsolete and the necessary technology is obsolete and the necessary technology is Egypt. With the acquisition of SCUD ballistic suimiles and PROC reckets from socia bonther ed blaco mercon, the Soviet Union, Cairo has even less incentive in develop its own missiles. program was unsuccessful. It is unlikely that the

Egypt's programs to develop atribo-air and air-to-sunface mistalies also have if the Soviet supply should end, Egypt would be forced to look to other foreign failed. Caire has a died on Missoom for these types of missibes in the part, DOMOGRA

#### 2. Nuclear

A ARA Egypt is not capable of developing nuclear weapons with its own resources. Properly safeguarded rescues would not agaificantly improve its build suckey weapons

## 3. Chemical and Biological

The Egyptians used toth barasting and lethal agents in Temen (Sana) during 1963-67, but they did not employ them during the October 1973 war. Egypt's concern about the possible Israell use of such agents in the \$ 25.00 B thisated among its ground forces. large amount from the 3 dont

civitien population is virtually without protection from a chemical attack. Although Cairo has abown concern about the use of CW in future hostilities. threst of retallation to act as a deterrent.

Arcs.

515 KATASIA

would only use them in retalistion for an Israeli BW attack. Egypt's pharmacer-tical and biological research facilities could produce limited amounts of selected BW agents, but little evidence is available about the existence of an Egyptian BW stated that Egypt has stocks of biological weapons, but President Sadat erpebility.

#### C Sta

## 1. Chemical and Biological

good quality Warraw Pack manu-Although the military possesses CW protective equipinformation to indicate that Syria possesses offendive CW agents or the ment, the drillen population is unprepared for a chemical attack. Syrian ground forces are equipped with factured CW protective equipment. to deliver them.

神经病

Whitel.

There is no information concerning a BW program in Syria.

STATE OF THE STATE

West Set.

P. Tog

Chemical and Biological

There is no information concerning a LW program in Lung.

The Sorkets have provided a whole variety of CW protective equipment to and have trained land ground forces in the use of the equipment. Although military seems to be adequately protected against a CW attack, the civilian

#### PAGE #

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# THE ARAB-ISRAEU HANDBOOK SUPPLEMENT

# L WILLIAMY AND FROM COMMUNIST COUNTRIES

#### A. General

The Soviet Union was the top dozor and Syria and Iraq were the chief recipients. Moscow offered no new military aid to Egypt in 1974, a dramatic humaround from 1973 when Moscow extended \$505 million in aid to Caim. Communist arms diplomacy continued to focus on Arab States in 1974-75

Algeria. The equipment provided under these agreements includes combat and transport aircraft, tanks, armored personnel carriers (APCa), artillery, submartiers, guided suited pairel boats, and surface-to-air missile systems. Furthermore, since mid-1973, Moscow, for the first time, expected the MIC-23 FLOCGER. assistance has been extended to Egypt, Iraq, and Syria. About \$890 million of equipment has been sold to Libya and an additional \$380 million has been sold to ke fighter, SU-20 FITTER C fighter bomber, TU-22 BLINDER medium bomber aid from East European countries has supplemented Soviet deliveries. and the SCUD surface-to-surface missile system to the Middle East. Military From 1983 through mid-1973 approximately 88 billion in Communist military

technical support have increased over the past year as new weapons systems were introduced into Arab inventories. Some 15,000 Arab sufficary personnel are currently stationed in Algeria, Egypt, Iraq, Libya, and Syria. Demands for have received military training in Communist countries. As of mid-1975 at least LESO were still in training. Some 5,500 Seviet and East European military personnel and technicians

do not indicate current boldings, which would reflect both combet and non combat losses. The delivery figures are minimum estimates and do not account for the total tomage known to have been delivered. The statistical summaries in this supplement show only deliveries. 7

#### B. Egypt

delivered since mid-1967. Communist countries, mainly the USSR, have provided over \$3.8 billion worth of military assistance to Egypt since 1883, 70 percent of which has been

gency deliveries to replace While fighting still was going on in the June 1987 war, Moscow initiated emer-Since then almost \$2.4 billion in new

rapidly delivered over 80 MIG-21s for use by Soviet pilots. ridar-controlled antiaircraft artillary and sophisticated electronics equipment. The SAG system was initially manned by Soviet personnel Moreover, Moscow military aid agreements have been signed, including about \$1.35 million with East European countries. From mid-1967 to 1968, the agreements were designed to completely re-equip the Egyptian armed forces and undertake limited moderuization. However, in early 1970, in response to Israeli deep penetration air raids against Egypt, an unprecedented military supply effort was begun. The Soviets rushed in the SA-3 surface-to-air missile system, together with supporting

that they had previously manned. even, Moscow refused to supply other advanced weapons systems that Egypt requested. This factor contributed to Sadag's July 1973 decision in expel most Soviet military advisors and bechnicians and all combet units stationed in Egypt. The Soviets left behind much of the aircraft and air defense equipment detected. This equipment was manned exclusively by Soviet personnel. four FOXBAT aircraft and about five SA-8 mobile SAM units subsequently were Early in 1971, Moscow initiated a new round of deliveries and at least HO

of arms and arms deliveries were terminated. the October 1973 Arab Israeli War with a massive reseggity effort, re-equipping those units hardest hit with armored equipment, and-tank weapons, SAMs, and jet fighters. In mid-April 1974, however, following a deterioration in relations between Moscow and Cairo, Sadat began a program to diversify Egypt's sources system also were subsequently introduced. Moreover, Moscow responded to example, T-88 banks were provided in increasing numbers; BMP combat infantry vehicles, the SU-20 fighter bomber, and the SCUD surface-to-surface missile Despite Sadat's actions, the Soviets did not end the flow of arms. For

have been delize of When shipments are completed Cairo presumably will have received 68 fighter aircraft in line with the terms of a 1973 accord. Recent deliveries reflect Moscow's intention only to fulfill earlier commitments, in as of spare parts, ammunition, and ground support equipment ordered before 1974 first since 1973. By 30 June 1973, some 26 MIC-23's, 18 SU-20's, and 5 MIC-21's In February 1975 the Soviets resumed fighter sircraft shipments to Egypt-Soviet seaborne some obigoneous to Egypt resumed in August Between August 1974 and early February 1973 identified Soviet deliveries consisted only as no new accords have been signed with Cairo since 1973. ģ

ships docked at Alexandria. Over 8,200 Egyptians have received training in Communist countries since 1853. There are an additional unknown number of Soviets servicing Soulies ships docked at Alexandra. 330 Soviet advisors and technicisms including some Soviet military personnel About 13,000 Sorket military personnel were stationed in Egypt until mid-July 1972, 5,500 as advisors and as many as 6,500 maming Soriet controlled Mediterranean squadron based in Egypt. By mid-1975 there remained only about Soviet maritime air recommaissance aquadron and abore support for the Soviet air defense equipment. The remaining 1,000 or more were associated with the Soviets servicing Soviet nava

to have been delivered to Egypt between The following runmary includes all major military equipment known ä Stell-per per

#### SECRET EGYPT

|   |               | Deliveries ·               |
|---|---------------|----------------------------|
| (Lease  | To 8 Oct 1973 | 6 Oct 1973-<br>30 Jun 1975 |
| Ale   |               |                            |
| Fighter Aireraft  |               |                            |
| MIO-15 jet fighters   | 237 1         | 8                          |
| MIG-17 jet fighters   | 118           | 0                          |
| MIG-19 jet fighters   | •             | •                          |
| MIG-23 Jet fighters   | •             | 26                         |
| MIG-21 jet fighters   | 470           | . 56                       |
| 80-7/20 fighter-bombers   | 175 ''        | , 18                       |
| 8U-17 fighter-hambers   | 30            | •                          |
| Bomber Aircraft   |               |                            |
| II-3 jet light heaten   | 74            | J 6 🖢                      |
| TU-16 jet medium bombure.                                       | - 23          | •                          |
| Belicopten  | 185           | 12                         |
| II-14 twin engine transports.                                   |               | 7                          |
| A35-18 fear engine turbopres transports                         | 7             |                            |
| A.N-12 feer engine turbegree transports                         | 21            |                            |
| Caseh L-29 trainers   | 112           | ā                          |
| Ground  | 112           | •                          |
| Tasks 5   | 2,365         | 430                        |
| Bell-propered accord guest.                                     | 2,545         |                            |
| Areard present correct  | 1.20          | .200                       |
| Tield and air defense srallery, reclast leanchers, mortess, and |               | -2574                      |
| resolles rifles ever 100 mm 4                                   | 2,200         | 219                        |
| Navel   | 4,200         | 210                        |
| Landing ships (POLNOCHNY-Class)                                 | •             | 1                          |
| Destroyers (SKORYY Class)                                       | •             | •                          |
| Submerian .   | •             | •                          |
|   | 20            | •                          |
| Motor torpode bests (P-4 Class)                                 | 🗯             |                            |
| Past patrol boats SHERSHRN Closes                               | •             | ÷ •                        |
| Small guided missile beats (KOMAR Class)                        |               | 0                          |
| Large guided missil- h ats (OSA Class)                          | 12            | 0                          |
| Small submariar ** em R.O. 1 Class)                             | 12            | 0                          |
| First mineratepus   | 11            | •                          |
| Amphiblem craft (LCU)   | 18            | •                          |
| Medium minesweepers (T-321 Class)                               | 2             | •                          |
| Types of Mindle Systems   |               |                            |
| AA-2/ATOLL ab-lo-ab (MIG-31)                                    | •••••         |                            |
| AS-I/KENNEL sir-to-surface (TU-10)                              |               |                            |
| AS-S/RELT sir-to-eurface (TU-10)                                |               |                            |
| SA-2/GUIDELINE mrises to elt.                                   |               |                            |
| SA-NOOA swiss-to-siz  |               |                            |
| SA-4/GAINFUL serface-to-air                                     |               |                            |
| SA-7/GRATL hand-hold surface-to-sir                             |               |                            |
| 88-26/8TYX surface-to-surface (anti-shipping)                   |               |                            |
|   |               |                            |
| 88C-7b/SAMLET surface-to-surface (coastal deletes)              |               |                            |
| 88C-7b/SAMLET surface-to-ourface (constal defense)              |               |                            |
|   |               |                            |

<sup>&</sup>lt;sup>1</sup> Includes transfers in 1967 from Algeria of 21 MIG-17s, and estimated 87 MIG-15/17s airlifted from the USSR, and 17 MIG-17s from East Germany.

<sup>&</sup>lt;sup>2</sup> Includes transfer in 1967 of 20 MIG-21s from Algeria and an sirith of an estimated 29 MIG-21s from the USSR.

<sup>2</sup> Does not include 140 Yugoslav T-54 tanks and 400 autinireralt guns delivered after the outbreak of the 6 October War.

<sup>\*</sup> Includes BRDM amphibious reconnaissance vehicles.

<sup>\*</sup> Includes FROG-7 rocket launchers.

<sup>\*</sup> These figures include a total of size ship exchanges—two destroyers and seven submarines.

#### C. Syria

The USSR and Eastern Europe have provided an estimated \$2.3 billion in military assistance to Syria since 1955, more than 80 percent of it during the port June 1967 War period. Damascus concluded \$850 million in military aid agreements with the USSR and \$70 million with East European countries between 1967 and 1972. Deliveries under these accords completed the resupply effort and allowed for modernization and expansion of Syria's armed forces which suffered heavy losses during the June 1967 War.

After the expulsion of Soviet military advisers from Egypt in mid-1972, Damascus emerged as the chief recipient of Soviet military aid. Within a one year period, July 1972-September 1973, the SA-3, SA-8, and the SA-7 surface-to-air missile systems, T-62 medium and JS-3 heavy tanks, 180-nm howitzers, 240-mm mortars, KA-25 helicopters, OSA-Class guided missile patrol boats, and VANYA-Class minesweepers were introduced into Syrian inventories.

Moscow responded quickly to Syrian arms requests during the October 1973 war and resupply was completed by mid-November. Since late 1973, Soviet arms shipments have included MIG-23 jet fighters, the SCUD surface-to-surface missile system, and possibly the SA-9 vehicle-mounted infrared SAM system. A major arms accord was negotiated in April 1974 when President Asad visited Moscow.

Communist deliveries to Syria following the October 1973 war total over \$1 billion, some 90 percent by the USSR. These deliveries have upgraded Syria's air and ground forces so that they are currently better equipped than at the start of the October 1973 war.

With the introduction of new weapon systems, the number of Soviet military technicians posted in Syria has increased to over 2,800. Most are used in air defense related functions. About 3,500 Syrian military personnel have received training in Communist countries since 1955 with several hundred still in training.

The following summary includes all major military equipment known to have been delivered to Syria since 1953.

#### SYRIA

|                         | Estimated Deliveries |                            |  |
|-------------------------|----------------------|----------------------------|--|
| T tesse                 | To 3 Oct 1973        | 8 Oct 1973-<br>30 Jun 1978 |  |
| Air                     |                      |                            |  |
| Fighter Aircraft        |                      |                            |  |
| MIC-15 jet fighters     | 29                   | 12                         |  |
| MIG-17 jet flyktere     |                      | 12                         |  |
| MIO-21 jet fighters     |                      | 159                        |  |
| MIO-23 jet flighters    |                      | 48                         |  |
| 8U-7/20 fighter-bombers | 6.5                  | 70                         |  |
| U-MIO-15 jet trainers   | 8                    | a                          |  |
| IL-28 Jes Highs bombers | i                    | Ŏ                          |  |
| Abr "                   | ,                    |                            |  |
| IL-14 transports        | 8                    | 0                          |  |
| Helicopters             | 82                   | 3                          |  |

| L-39 jet trupert  | 29       | a         |
|---|----------|-----------|
| AN-24 transports  |          | •         |
| AN-12 transports  | 3        | •         |
| Crossed   |          |           |
| Table   | 1,800    | 1,235     |
| Balf-propelled seesalt game                                     | 100      |           |
| Armored personnel services.                                     | 225      | \$70      |
| Field and air defense artiflery, rocket launchers, mortars, and |          |           |
| recalling rilles over 100 mm.                                   | 1,8351   | <b>-1</b> |
| Neval   |          |           |
| Motor torpede boats (P-4 Class)                                 | 15-18    | 1         |
| Small guided missile boats (KOMAR Class)                        | •        | i         |
| Garded missile patrol beats (OSA Class)                         | 2        | , i       |
| Pleat missourcepone (T-G Class)                                 | 1        |           |
| Canadal minerospess (VANTA Closs)                               | . 2      | ă         |
| Patrol craft (FS)   | 9        |           |
| Types of Micelle Systems  | •        | -         |
| AA-2/ATOLL sir-to-sir (MRG-31)                                  |          |           |
| 88-N-2/8TYX surface-to-surface (auti-shipping)                  |          |           |
| BA-S/QUIDELINE perface to air                                   |          |           |
| 8A-2/GOA surfaci-to-air   |          |           |
| BA-WOAIRFUL refere to cir                                       |          |           |
| SA-7/ORAIL hand held a misco-to-de                              |          |           |
| SA-NGASKIN (possible) surface-to-air                            |          |           |
| AT-I/SNAPPER anthank  |          |           |
| AT-2/SAGGER anthank.  |          |           |
| 58-IC/SCUD surface-to-surface.                                  |          |           |
|   | •••••••• |           |

#### D. Iraq

Since late 1958, Iraq has purchased almost \$1.9 billion worth of Communist military equipment. Baghdad sustained relatively small losses of equipment in both the June 1967 and October 1973 wars, and thus has used Soviet arms aid largely as a means to expand and medernize its armed forces as well as to conduct operations against the Kurds. Along with Syria, Iraq in the last two years has become a primary recipient of Soviet military aid.

Iraq has concluded almost \$1.1 billion in arms aid agreements with the USSR since mid-1987. New commitments and deliveries under old credits have dominated recent Communist-Iraqi military relations. Soviet military credits hit a single year high of \$470 million in 1974 alone. These new accords provide for the continued growth and modernization of the Iraqi armed forces and the resupply of ordnance depleted in the Eurdish War.

Moscow has delivered over \$500 million worth of equipment since the October 1973 war including a wide range of new weapons systems introduced

<sup>1</sup> Includes FROG-7 rocket Isunchers.

system, OSA-II guided missile patrol boats, and FROG-7 tactical surface-te-surface rockets. The Soviets also reintroduced the SA-8 surface-to-surface missile during 1974—the MIC-23 FLOCCER for fighter, the SA-8 surface system. Iraq received SA-2's in the early 1980's but they were subsequently transfeered to Egypt to air mindle

agreements with Czechoslovakia and about \$145 million in military accords with Bulgaria, East Cermany, Hungary, Poland, and Romania. Those agreements have Since October 1987, Iraq has exacteded at least \$150 million in military aid

vered jet aircraft, tanks, and support equipment.

ome 200 over mid-1974. Over 2,900 Inqt military personnel bring in Communist countries By mid-1975 about 1,000 Soviet military technicians were in Iraq, an increase during the past 15 years and about 400 are still

rre been delivered to Iraq since 1888 The following summary includes all major military equipment known to

THE STATE OF THE S

#### TRAQ

|   | Estimated Deliveries |   |  |
|---|----------------------|---|--|
| Items   | To 8 Oct 1973        | 6 Oct 1973-<br>30 Jun 1971              |  |
| <b>W</b>  |                      |   |  |
| Fighter Aircraft  |                      |   |  |
| MIG-17 jet Oghtestannannennennennen annen anne | *                    | 1                                       |  |
| MIG-19 Jot Sighters   | *                    | •                                       |  |
| MTG-21 jet Righters   | 116                  |   |  |
| MIC-25 jet flehters.  | 6                    | 42                                      |  |
| bJ-7/20 (lehter-bearbers.   | <b>.</b> .           | <b>2</b>                                |  |
| TU-22 mediam bombers  | 14                   | -                                       |  |
| U-MIQ-21 let trainers   | 2                    |   |  |
| U-M10-15 jet trainere   | 31                   | ŏ                                       |  |
| IU-28 jet light bombers   | 17                   | ž                                       |  |
| · · ·   | 2                    |   |  |
| U-11-28 jet traisere  | _                    | •                                       |  |
| TU-16 jet medium bombers  | . 10                 |   |  |
| AN-12 four engine turbuprop transports  | u                    | •                                       |  |
| TU-124 jet transports   | 3                    | 0                                       |  |
| AN-24 transports  | 10                   |   |  |
| Helicopters   | 78                   | 34                                      |  |
| Lots jet iminera  |                      | 20                                      |  |
| Proceed   |                      |   |  |
| Table   | 1,096                | 300                                     |  |
| Self-propeded amount gramman  | 7 <b>00</b>          | •                                       |  |
| Armored personnel earriers  | 1,250                | 240                                     |  |
| Field and air defense artiflery, rock t launchers, mortars, and   |                      |   |  |
| recoilless rifles over 100 mm !   | 1,7205               | 5201                                    |  |
| Caral   | ••                   |   |  |
| Large guided missile patrol boats (OSA Class)   | 4                    |   |  |
| Small submarine charers (S.O. 1 Class)  | i                    |   |  |
| First minerversers (T-43 Class)   | 2                    | 0                                       |  |
| YEVGHENYA minorecoure   | i                    |   |  |
| Motor terpode beste (P-4 Cland  | 12                   |   |  |
| Patrol craft (PO-5 Chap)  | ".                   |   |  |
| Patrol seaft (PS)   |                      |   |  |
| ZHUK matri craft  |                      | •                                       |  |
|   | •                    | •                                       |  |
| Cypes of Missile Systems  AA-2/ATOLL sin-to-air (MTO-21)  |                      |   |  |
|   |                      | • |  |
| SA-2/GUTDELINE series-to-sir  |                      | • • • • • • • • • • • •                 |  |
| BA-E/GOA merface-te-sir   |                      | • • • • • • • • • • • • •               |  |
| 8A-7/GRAIL hand-held surface-to-air   |                      | · · · · · · · · · · · · · · · ·         |  |
| AT-1/SNAPPER antitank mindes  | _                    | • |  |
| AT-1/SAGGER artitaak missilm  |                      |   |  |
| 88-N-2/8TYX perface-to-curface (anti-shipping)  |                      |   |  |
| SA-4/GAINFUL perface-to-sir   |                      |   |  |

<sup>1</sup> Includes FROG-7 rocket insuchers

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## 7 TRANSPORTATION AND PRODUCTION

## Transportation

during the 1913 was. Lie and system of the stand only as far as Al Arish Israel, but the not extend to meighboring borders and only as far as Al Arish is the Small. This transportation net provides the IDF with great Benfullity, in the Small. This transportation net provides the south are capable of providing the capacity for good logistic support as was available during the 1973 was. The and arrives consists of three major routes which extend to the Suez Canal the borders of Lebanon, Syria, It is well designed and provides a dense network in the central and northern permitting large units to rapidly redeploy from north to south vectors of the country Israel's highway network is the primary means of overland transportation. the 1973 war. The and system apports built movement within centra and major and Jordan. The highway network into the feeder system adjacent to toto the Sinai

systems to provide adequate support to troops the highway area, sumerors interconnecting reads have been built between Major efforts acres in the Egyptian transportation network have existed since the 1987 was bility to move major quantities of goods into the Suez Canal Zone under the cover of darkness if desired. Egyption from y units possess sufficient vehicles able is necessary support the major highways to distribute supplies to combat elements involved in operations with limited were repaired and the line between Issnallia and Soca, which Egypt has sufficient logistic throughput capability by rail and highway the 1973 was was reconstructed. Rail improvements provide the During 1974, the rail lines leading to recently been made to eliminate these 9. F quantities of goods ito the Suez Canal Zone system and provide under combat conditions. the military ğ installations with and Ismailia was inopen

support to troops engag d in combat operations along the Colan front and to bring new equipment or supplies from coastal ports to the Colan area. Highways Sinal objective and several low capacity secondary roads. By mid-1973, the rail line between Al Qumishli and Dayr az Zawr should be complete and should allow for move-ment of units or supplies by Iraq to Syria by rail. Acquisition of additional transportation system between Syria and Iraq consists of only one major are the principal mode of transport, but are poorly port equipment by Syria and Iraq, mainly teak transporters, will allow incre by pipeline. These facilities would be significant should Syrian petroleum supply oil products were carried by rail from Iraq to Aleppo and from there to Damascus efficiency in deploying units from Iraq to Syria. During the last war, refined be again drastically reduced. Syria has rufficient logistic throughput capabilities to provide adequate designed. The present tran-H Charl

### Domestic Arms Production

skill to achieve a greater degree of self-sufficiency. claims that Israel produces 30 percent of its arms requirements and could produce Israel has been expanding its military industry and has the technological Defense Minister Pares

ar per b

13.0 billion in arms from foreign sources, primarily from the U.S. This represents nateriel ranging from simple quartermaster items to a highly sophisticated let fighter. In addition, much effort is expended in making spare parts and modifying Since the October War, however, Israel has ordered some up to 50 percent of its needs. Lead currently manufacts, a a wide variety approximately 40 percent of the country's total import bill for the period. fording equipment.

self-propelled artillery are being produced, and series production of a main the country is dependent upon imports. Alemantition is locally manufactured for nearly all the IDF weapons, including the Soriet artiflery captured in recent wars. Local production meets many of the ground forces' needs for less sophistioutput of many of these weapons exceeds Israeli needs, and significant numbers have been exported. Small quandities of light armored reconnaismance vehicles and major thems, however, cated weapons. Small arms, machine guns, aircraft guns, mortars, recoilless riffes, and infaminy and artiflery rockets are produced in adequate quantities. Curres Ammurition production (in rounds) in 1974 of some key items: bettle tank is expected to begin in mid-1978. For snot

| 30,000,000  | 80705                    |  | 4                                 | 8 8                         |                                    |
|-------------|--------------------------|--|-----------------------------------|-----------------------------|------------------------------------|
| Sond street | 60-cm to 100-exts sorter | TO seem production to the seement of | 105-mm temb-gre (ATDS, REAT, RE?) | 135-cam bowther (HZ, Smolm) | SOO pound beauth shared beauth one |
| Send sense  | 3                        | TO seem red  | 105-001                           | 155 com 14                  | <b>200</b>                         |

the small-arms cartridges and tank rounds. The production capacity, bow-These production rates are expected to creatings in the immediate future, add think of labor. allows for these rates to be increased if they d day Ę

decided to build ats more units similar to the SAAR-IV. The 65-foot DABUR-class patrol boats also are in production at an Israell Aircraft Industries (IAI) plant in Becrabeba and as many as 20, and possibly more, of these may be builk with some of the compat for export. Three small 500-ton attack submarines are convently construction in the UK and the Erst one is scheduled for delivery in Large guided mistale boats and patrol boats are the only naval combetants Wer. Israel under construction in Israel. Because of the outstanding performance the October of its missile boats sgainst Arab navel units during une 1978. currently under

ased on the Mirage S which can fly at speeds over Mach 2, reportedly will be used in both an interand, under the direction of the Israeli Aircraft Industries, are continuing to Aircraft research, development and production capabilities are significant increase.\* The most recent development was the unveiling of the locally designed sirframe and is powered by a single US Ceneral Electric J79 engine. The Kfir (Lion Cub) jet fighter in April 1973. The Kfir is

Property and

THE REPORT OF THE PROPERTY OF

Į, "During 1971-1974 some 30 Minage St were neembled by LAL Eight of these is 1973 kering 48 in the law

improvements in the stransft it imports. ceptor and ground-strack role. In addition, Israel continues to make beste

missile and output is expected to remain at alrust 50 per month. This missile is used on the F-4/Phantom, the Mirage III C, the Mirage 5 and the KHz. for Israeli needs and export. Full production is less than a year away on Gabriel missile. Surface-to-air and antitank missiles, bowever, are imported. Output of the 11.5 nm Cabriel I naval cruise missile is about 20 a month and is sufficient beth been focused on development and production of a naval cruise and an air-to-air Israel has developed an increasingly effective research, development and production capability in nearly all aspects of missile technology. Efforts have -the improved 22 nm version. Shafrir II has been a highly effective air-to-sis

most local military needs and to allow exports. military equipment. The IDF currently receives approximately 40 percent of all thems equipment is produced and output is known to be electronics equipment manufactured. A variety of modern tactical communica-Israel's electronies industry has greatly expended in recent years. Supported by government linearing and Wastern investment and technology, the industry has become a producer of a wide range of professional, industrial, and and dent B dding

#### 2 Egypt

to be built outside the country. OTT MAT surface-to-surface missile. Replacement bulls for aging units also have been built and improved electronics and weapoury have bosts, two KOMAR-Cless guided musile bosts, and six KOMAR-like units com-prising a reported "SIXIH OF OCTOBER" Class have been constructed. The existing units. However, a follow-on class of about ten missile boats is expected atte. construction and modification during the last two years. Several P-8 Class patro is limited, Eg. x has demonstrated an increased capability in naval combatant being manufactured. Larger caliber artillery rounds also may be in production and a 6-inch rocket is under development. Although construction of naval vessels Small arms, small arms ammunition, and artillery ammunition up to 55-mm are but has not demonstrated any capacity for production of strends and missiles. Egypt has a limited capability to produce anny material and nared veneta 5 expected to mount either the French EXOCET or French-Italian 8 E E

decoy sircraft, external drop fuel tanks, bed injection pumps The only known air inventory items now being produced in Egypt include ed rockes, actival becombs up to 500 pounds, stabilities that for bombs, and small parts for fighter F- 4

#### The Sales

small arms. No other materiel is produced. Syria makes small quantities of ammunition for infantry weapons, mainly

されてきる人となるというというというというと

costs and to gate a becrative of the Kife before all LAF requ production is estimated at It will take IAI approximat Production of the Life was phased into market if one should present their, IAI may N HATE danc LAF orders are for 88 Mange 5 . to 100 about 

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# III. THE SOVIET MEDITERRANEAN SQUADROY

thips and in overall capability. There were seasonal high and lows, but by the we reached to October 1973 when 96 whire including 29 surface combatants and 23 submarines. were counted in the Medite resean. Since then the squadron has been maintained e continuently present. Despite the st a level of about 35 maits including 10 surface combetants and 13 submarine since 1964. After the June 1967 was, the squadron grew both in the number end of 1972 the squadron everaged 30 units, including 15 surface combetants dep-rture of Soviet forces from Egypt, Soviet vessels continue IS submartnes, and 20-23 naval suditaries. An all-time high The Soviet Navy has maintained a continuous presence missibe substantant service facilities in Alexandria. At loase two coules B

providing viable cooducting of Soviet units from Egypt in the seasoner of 1972. 自卫 This squadron serves Soviet objectives in the Middle East by 2 on the political and military options of other countries, and by purposes to the Araba. The Soviet Medicaranean squadron lost by acting naval operations, T g the withdrawal surveillance of US

years have been improved mixile belicopter ships, new KARA-Class guided missile light cruiser, KIRVAK-Class guided missile destroyers, CHARLIE, and VICTOR-Class submarines, and PRIMORYE-Class KIRVAK-Class guided Sorte Mediterraces sennt ships. The squadron's capebilities in recent y deployments of the two MOSKVA-Class guided A B The Black See Floor intelligence collectors. combecuat shipe. \$

To support the combatants, the Soviets keep a substantial number of naval makers) also provide begistic support. Although units of the SOVMEDRON 975. Soviet naval units had been excluded from Sollum and Mersa Matruh and and Cairo have resulted in decreased access to Egyptian naval facilities. By midon of secess to facilities in Alexandria appeared possible. In the past few years, continue to use the port of Alexandria, deteriorating relations between Mosco use of the Syrten ports uniflaries in the Mediterranean. In addition, some merchant the SOVMEDRON has made increased Letable for support

Sortet ships operate primarily in the eastern Mediterrmenn. Surface ships exectoral formal visits to Togoslavia and ms completed ģ warfare practice, as well as opposed ship transits, and missile firings. Submarines also have engaged in tr-ining visits usually of short duration to Syris and Algeria, probabil Vaits of th and-carrier, exercises, oceanographic nurvey work, and in surveillance and intelligence m. and possibly feel powered submerine the shipyard in Linst. Activity in the past has included on provisions to "show the flag" and to take submarine, and anti-air tast recently the first simulated and actual Mediterrapean squ berre made port

amphibious presence in consists of two POLNOCNY-Class medium The Soviet presence has never represented a significant assault Sorbets have maintained a l'witted This now usually Since 1967 the the Mediterracen. solitos ships aparblisty. なという。

|       | 1, 1978   |           | ,   |   |  |
|-------|---|-----------|---|---|--|
|       | sell Randbool<br>tember 1, 1973                     | \$ - X-   | në "Huë de  | ****                                    | R PR   |
|       | F 🏲   | 5 R "E"   | ## ##### ##**   |   | ESTATE OF THE PROPERTY OF THE  |
|       | To Anti-  | 3 5 - ma  | ייפג מאמפ" פי   | ••••                                    | ***************************************  |
|       | •   | 3 2 -8-   | . ï win.a . i   | 7-** ******                             | •  |
|       | LPPRAISAL<br>D FORCE:<br>ISRAEL                     | 33 7 7    | -8 -EK-H #8   |   | 28   |
| rakar | 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5             | 3 3 8     | 14 .62.5 BEs.   | PPRP 0000000                            | The second secon   |
| a a   | F HITELLIGEN<br>ARMAMENTS<br>COUNTRIES<br>COUNTRIES | E R BE    | म्बु त्युत्तक <b>वृ</b> त्तूक   |   |  |
|       | DEFENSE  <br>SELECTED /<br>ARAB CC                  | 3 - 1     | "B EHERR "B""   |   | 2001241<br>2001241<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000<br>1.5000 |
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|       | Becref<br>TARE I                                    |           | Figure 6 and 10 |   |  |

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|  |  |  |     |  | •                      |  | • |  | , ,               |

IN YICHATY OF ISRAELI-HELD FRONTIERS STRENGTH OF FORCES! DEPLOYED

| K+4 H8   | 160,000 | 100,000 | 62,000 | 21,000  | 15.000 | 14,000       | 27.000     | 280,000 |
|----------|---------|---------|--------|---------|--------|--------------|------------|---------|
| CURREDIT | 130,000 | 90009   | 60,000 | 8,000   |        | 13,000       | 263.000    | 36,000  |
|          | Egypt   | Syrte   | Jorden | Lebenon | ĭ      | Scale Arabba | TOTAL ALLS | toract  |

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TABLE N

TOTAL STRENGTH OF ARAB GROUND FORCES!

62,000

TABLE III

Table IV

| _             | ľ                                       |       |   | ĭ            |   | ð         | Alternacy.             |
|---------------|---|-------|---|--------------|---|-----------|------------------------|
| H<br>Q        | <u>~</u>                                |       | : | :            | İ | :         | Air Defense Forme      |
| ĸ             | ×                                       |       | • | <b>\$</b>    | 1 | :         | Kida Cada              |
| 8.8           | 88                                      |       |   | <br>8        | İ |           | Maral Torres.          |
| بر.           | ::::::::::::::::::::::::::::::::::::::: |       | : | :            | : |           | A*C                    |
| . e           | 8                                       |       | ă | 8            | Ē | į         | Table                  |
| <b>250.00</b> | ¥,00                                    | H. 98 | F | <b>8</b> .00 | 8 | #         | Greend Ferra 22,300 78 |
| \$            | 1                                       |       | 1 | FOR          | Ī | \$        |                        |
|               | 2                                       | 1     | • | =            | 3 | 1947-1949 |                        |

Table Y

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| 2      | T sate | 7                                      |    |         |
|--------|--------|--|----|---------|
| Skipe. |        | ************************************** |    |         |
| •      | · ·    | 3                                      | \$ | Ŧ       |
| •      | • •    | •                                      | 1  | 1947-40 |
| •      | ¥ ×    |  | 10 | =       |
| •      | ¥      | *                                      | 1  | ***     |
| ~      | ıï     | #                                      | 1  | =       |
| •      | : ¥    | 2                                      | 1  | 1967    |
| =      | ŧ      | # #                                    | 1  | 1973    |
| •      | äż     | 7                                      | 1  | 73      |



#### Estimated Fature Military Assistance to Egypt and Syrin From Other Arab States (Ground)

| Supporting Country   | То Едура  | To Syria  |
|--|---|---|
|  |   | 1-2 Armored Divisions (12,000 mes, 230 tanks per division); I lafactry Tank Force (estimated 15,000 mes, 48 tanks) (including one tank battalion and other sembat/combat support units) |
| Jordan.  (Within its boundaries, Jordan would retain; ever \$0,000 greand troops for at least 1 armored, I mechanised infantry, and 1 infantry division give the Squelal Terms Unit) |   | 1-2 Armored Brigade (4,000 mea, 80 tanks per brigade)   |
|  |   | 2 Compaste Battalloss (1,900)   |
|  |   | 8 Medical Teams   |
| Saedi Arabia   |   | Presently in Syria:   |
|  | •   | 1 Infancry Brigade (1,500)  |
|  |   | 1 Airberne Battallon (600)  |
|  |   | 1 Field Artiflery Battalion (430)   |
|  |   | 1 Fleid Artillery Battery (150)   |
|  |   | 1 Special Forces Company (150)<br>2 ADA Batteries (250) (Saudi Arabia   |
|  | ••  | presently has 3,300 troops to Jordan  |
|  |   | that could be deployed to Syrial .  |
|  |   | Probable add-on support:  |
|  |   | 1 Infantry Brigade (4,000)  |
| •  | · ·   | 1 Field Artiflery Bettaffon (450-   |
| •  |   | 105-mm)   |
|  |   | 1 Armored Car Battalion (300Pan-<br>hard)   |
|  |   | 1 Tank Battallon (300-AMX-30)   |
| ·  |   | 3-4 ADA Battaries (3,60010-cam)<br>3-4 Hawk Batteries (250-400)   |
| · ·  | In Forms down Out 1879.   | 8-10 Light Helloopters  |
|  | 100 tanks)  | I Armored Brigade (2,000 men, 100 tanks)  |
|  | men)  | 1 lafantry Brigade (2,500-2,000 men)  |
| dorecce  | 3 Infantry Settalions with artillery repport (2,000 men), no armer      | 2 Infantry BattaBone with artillery rep-<br>port (2,000 mea), so armor  |
| Styre  | 1 Mechanised Infantry Brigade (2,200-<br>2,500 mes)                     | 1 Infarry Battalion (500 mon)   |
|  | 1 Armored Brigade (90-100 tanks, 12<br>155-am SP How., 2,000-2,500 men) |   |
|  | Minimum of 200 tanks without crews                                      | 100 or more tanks without crews   |
| ode  | Presently in Egypt:   |   |
|  | 2 Infantry Battalions (1,500)<br>1 Tank Company (10 T-34/58)            | 1 Infantry Battalion (700)  |
|  | 1 Armored Reconstituence Company  | 1 Armered Battallen (20 T-54/38)  |
|  | (10 Saladia)  |   |
|  | 30 APC (OT-84)  |   |
|  | Add-on support:   |   |
|  | 1 Parachete Battalion (500)   |   |
|  | 2 Task Companies (20 T-S-U8Se)  |   |
|  | 1 Medical Company   |   |
| ratele   | I Infantry Battalion (500)  |   |

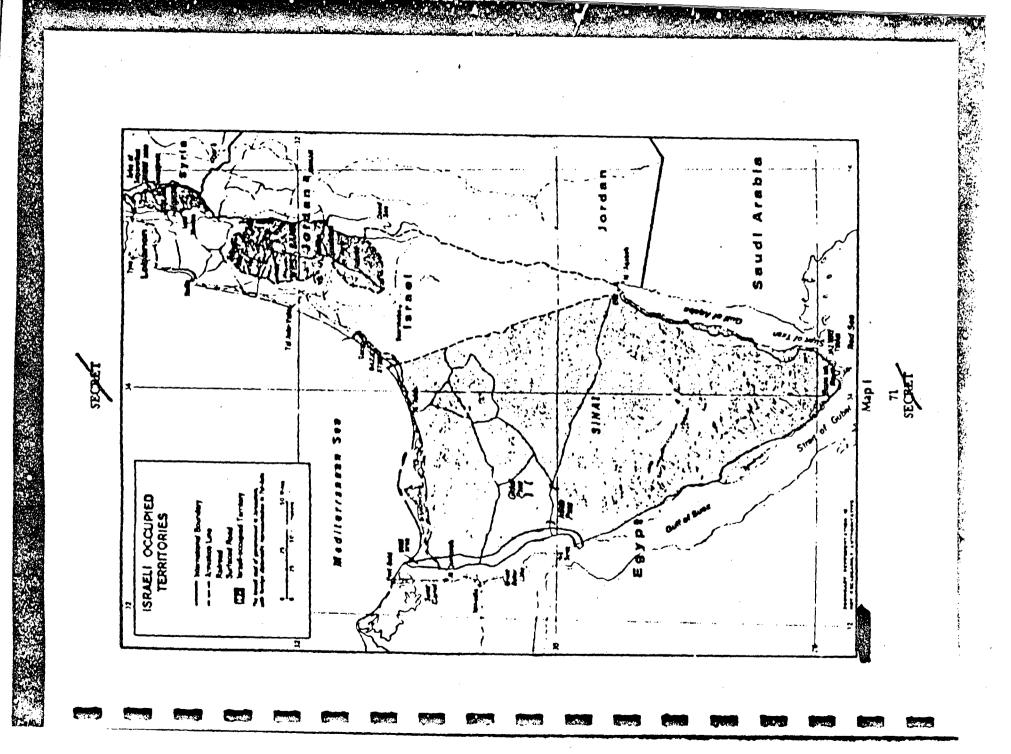
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#### Table VII

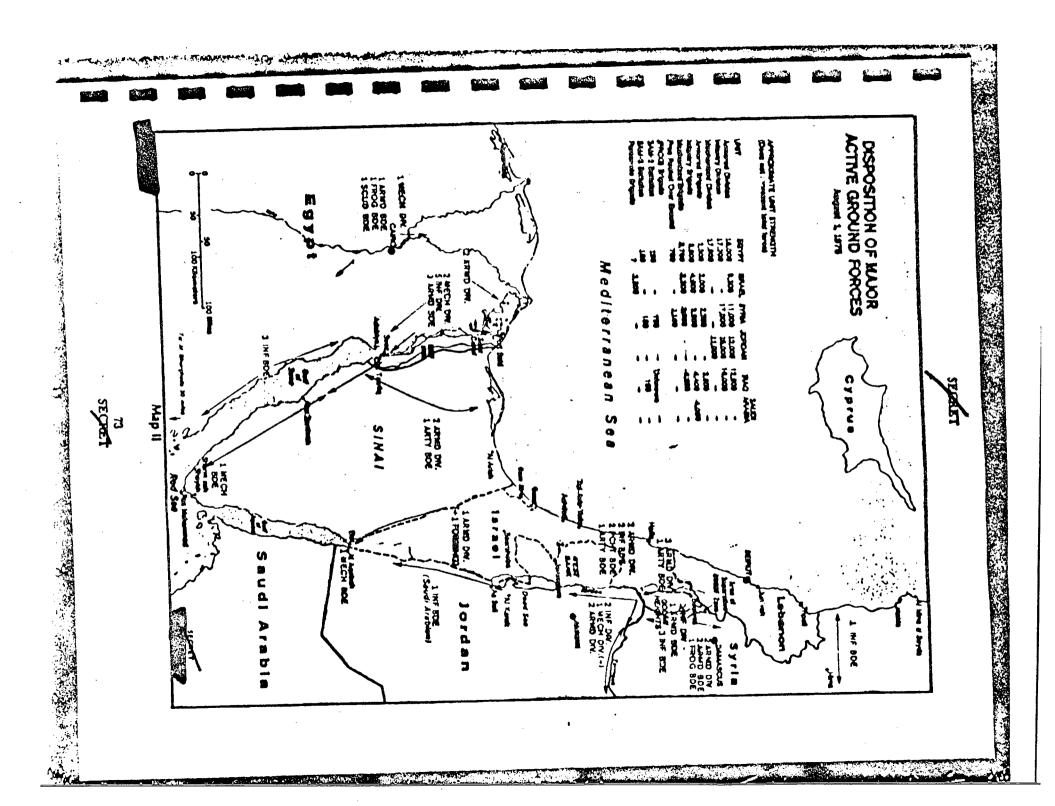
### Estimated Puture Military Assistance to Egypt and Syria Prom Other Arab States (Air)

| Surpering Country                | To Egypt                                     | To Syrin  |
|----------------------------------|--|---|
| Iraq                             |  | 3-4 Fighter Squadrons (at Iract 18 air-<br>craft per squadron), with additional<br>required transport aircraft. |
| Jordan                           |  |   |
| (4,000 air force personnel with  |  |   |
| 110 pCots (70 let qualified) for |  |   |
| (9 (leiter sireraft.)            |  |   |
| Xevat                            |  | 1 Ennter Squadron (4 sircraft)  |
|                                  |  | 8 Light Tellcopture   |
| Algeria                          | 1 Squadron M10-21/Fishbed (12 sie-<br>craft) | •   |
|                                  | 1 Squadron MIG-17/Freeco (24 sin-<br>craft)  |   |
|                                  | 1 Squadron SU-7/Fitter (10 sirersit)         | •   |
| Libya                            | 50 Mirage fighters (without pilots)          | •   |

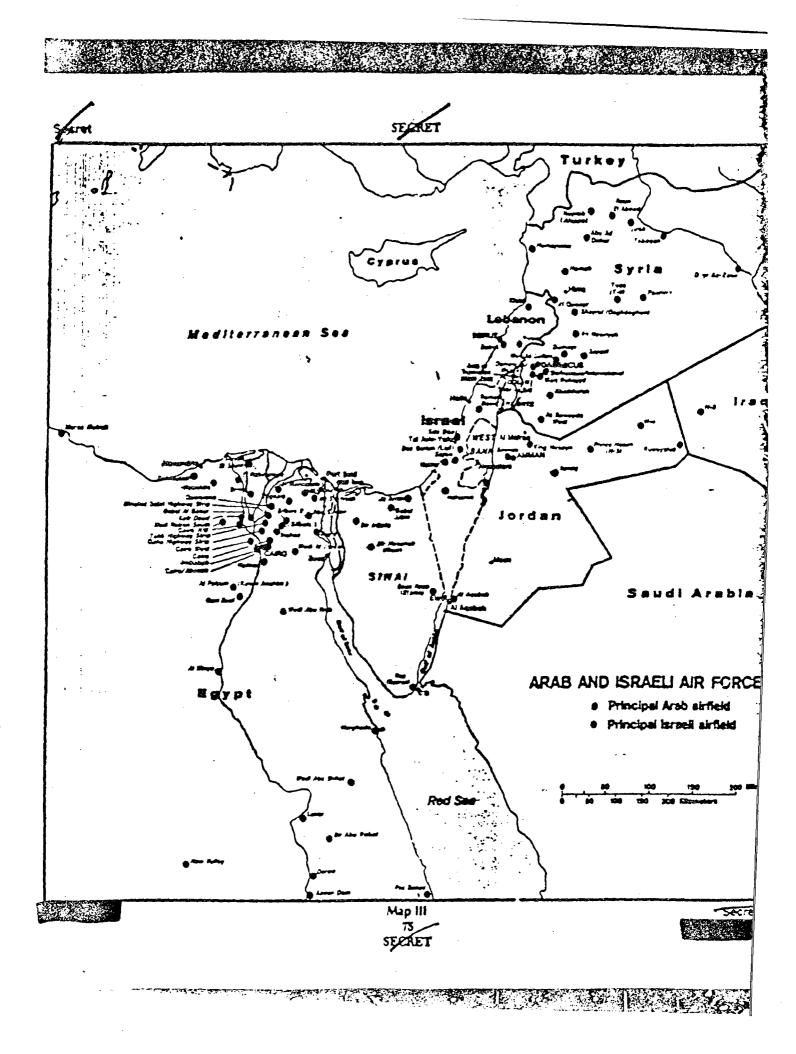
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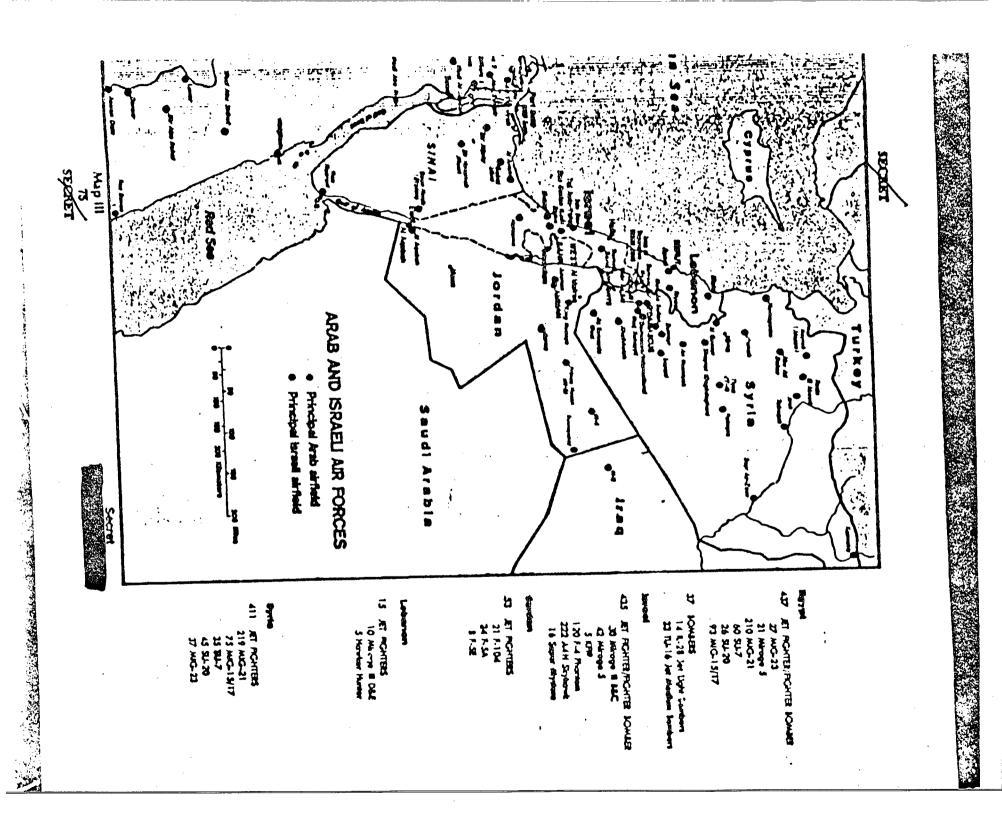


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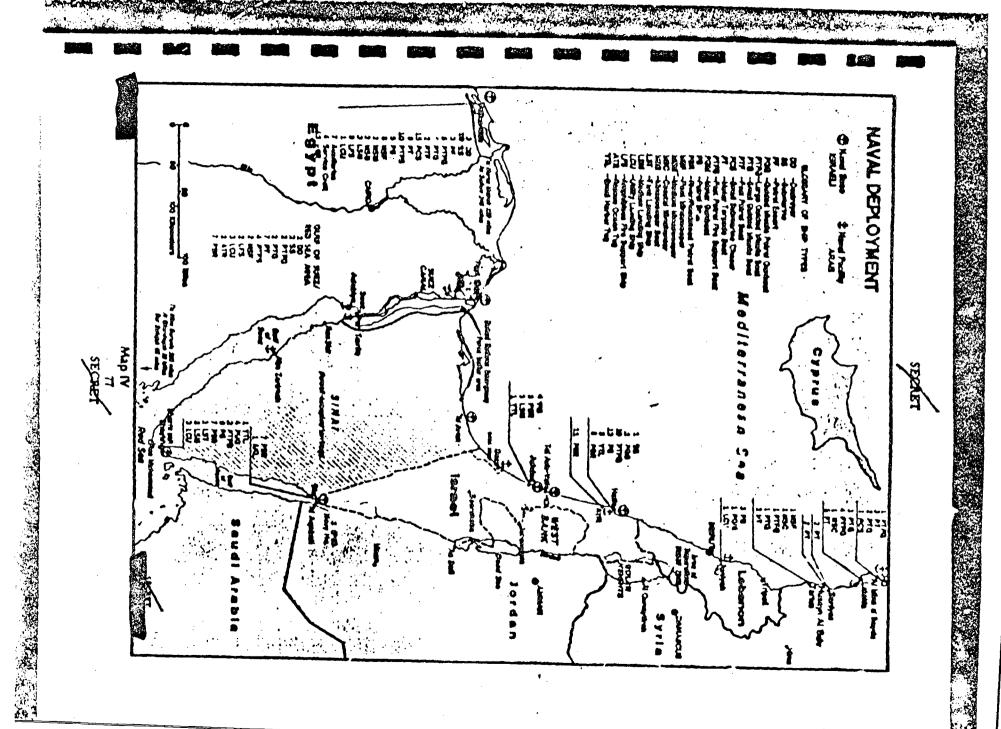


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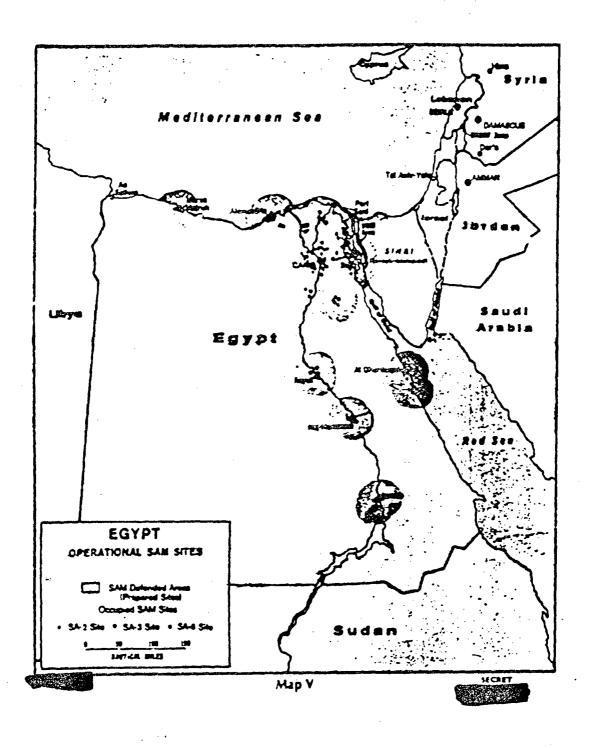




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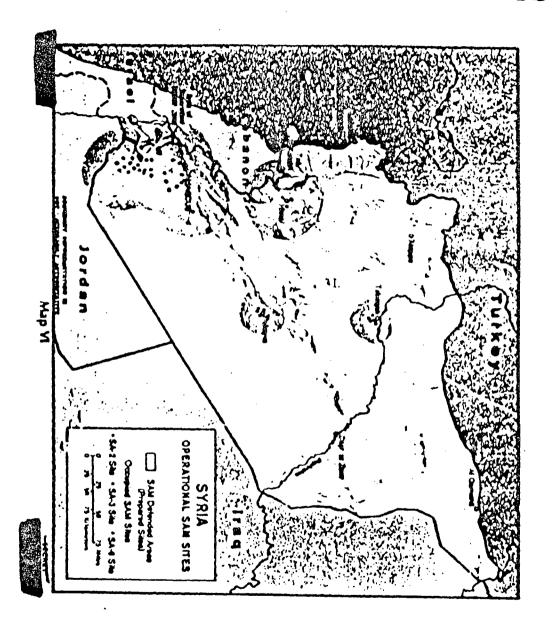
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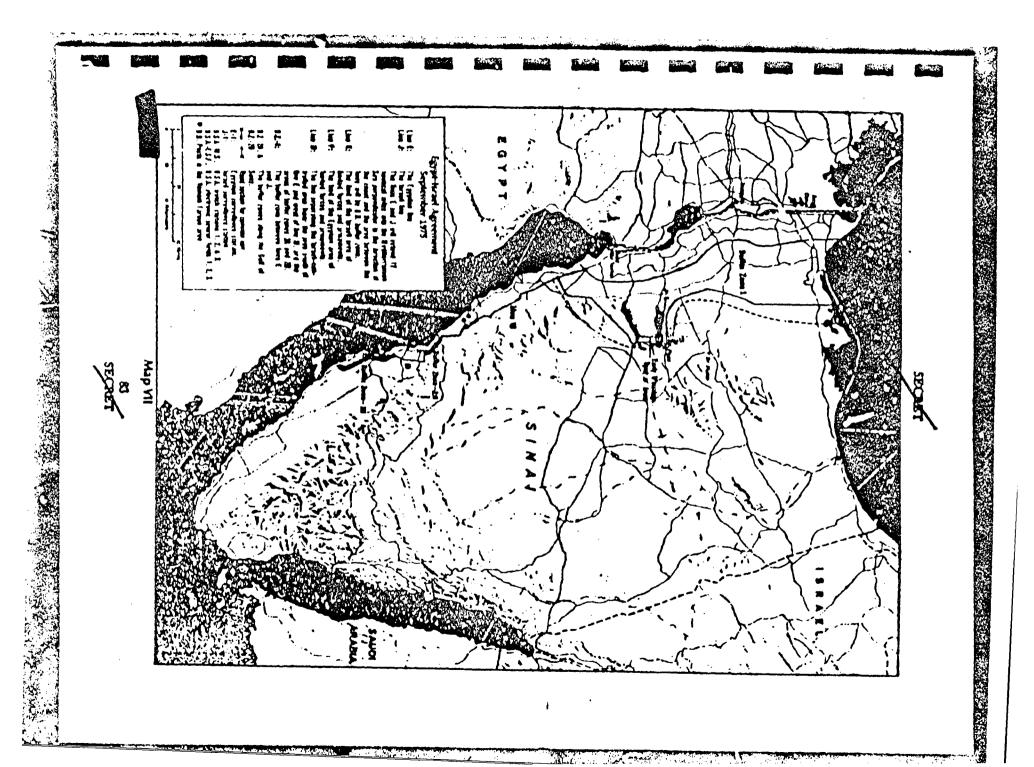
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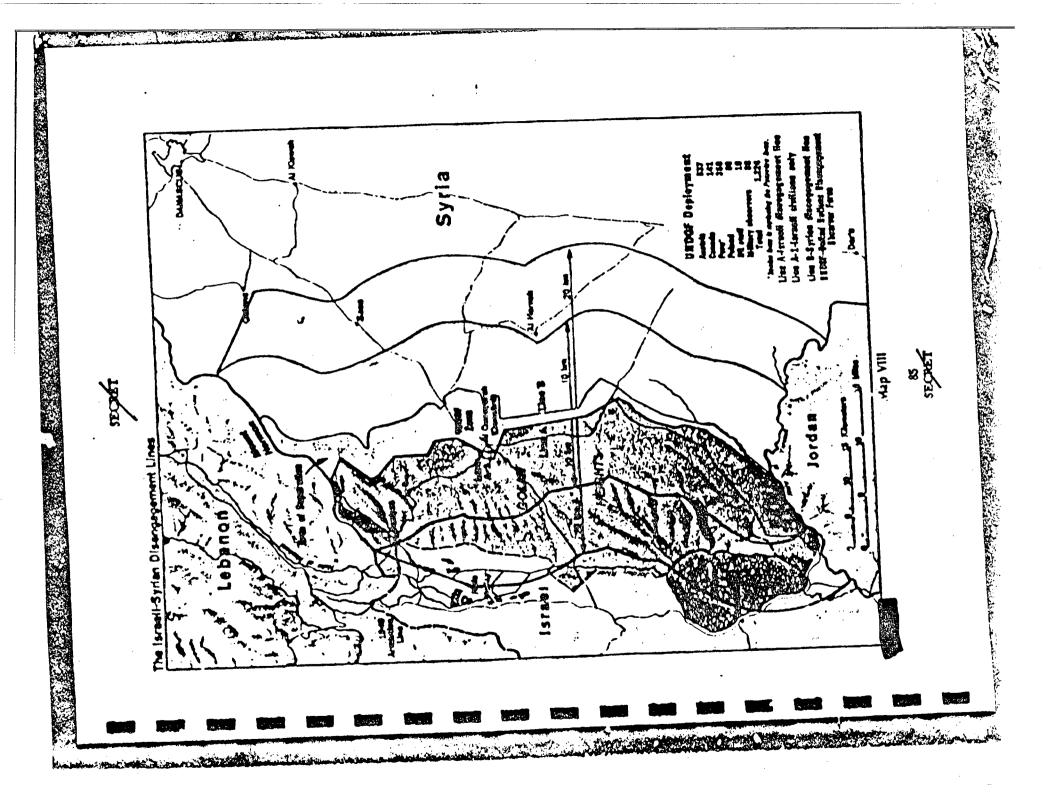


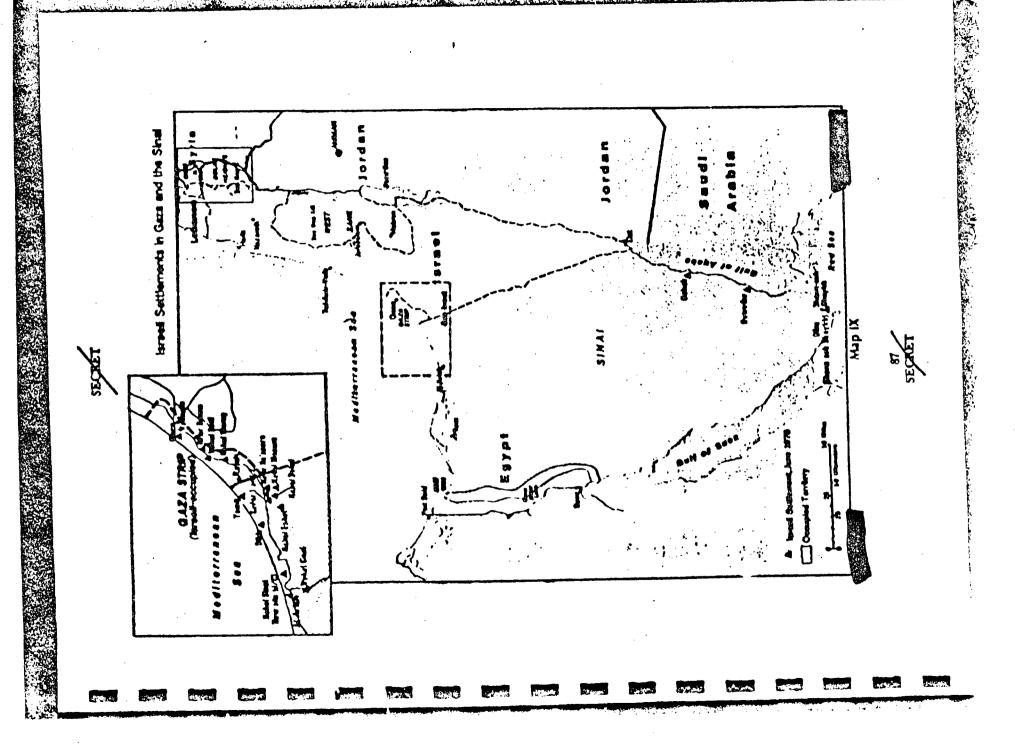
Lancer

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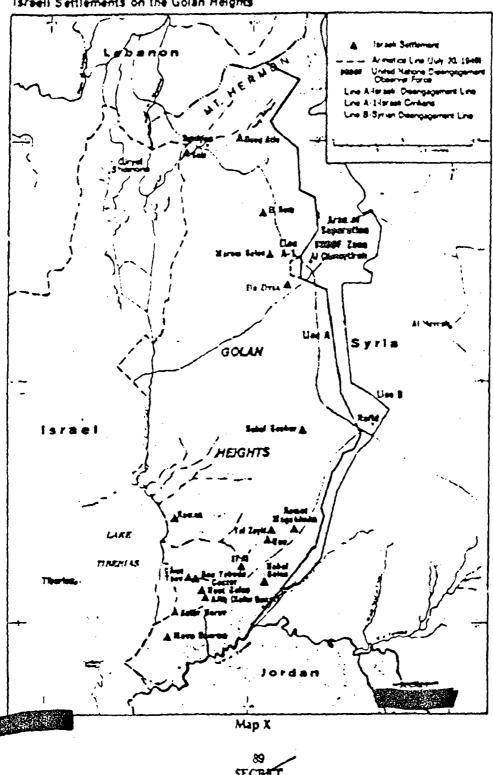
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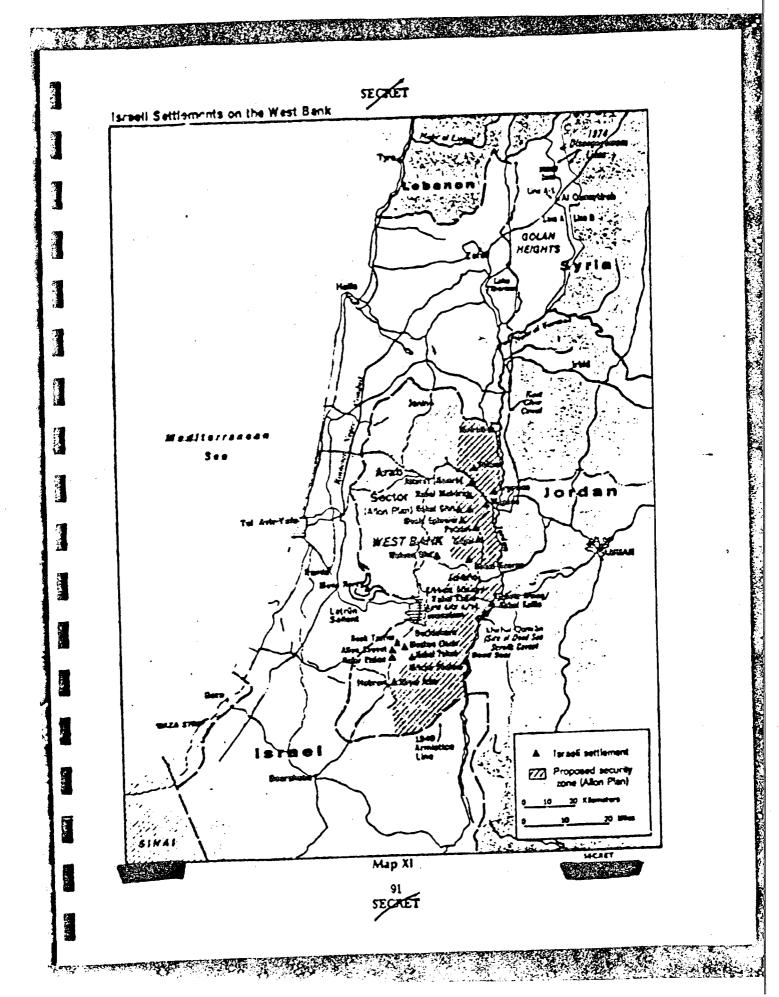


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Israeli Settlements on the Golan Heights



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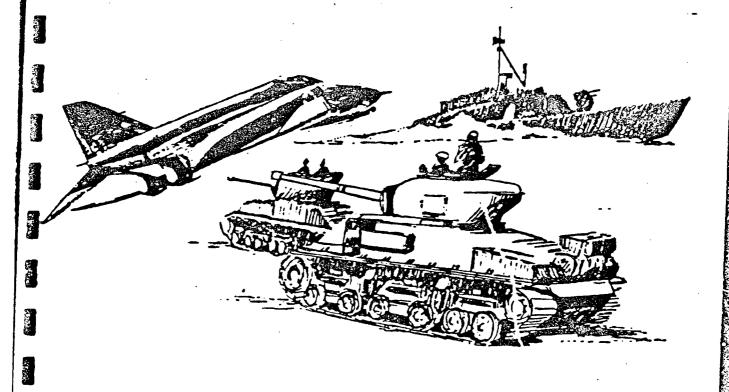
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GLOSSARY

PERFORMANCE CHARACTERISTICS OF SELECTED
ARAB AND ISRAELI MILITARY EQUIPMENT



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AND AIR DEFENSE EQUIPMENT

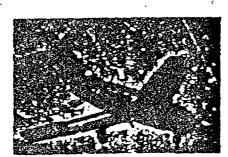
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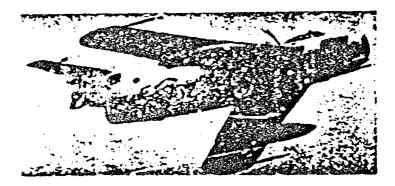
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5000

## MIG-15 (FAGOT) and MIG-17 (FRESCO)



Egypt, Syria, Iraq, Algaria, Yeman (Sana), Yeman (Adan), Sudan



| CHARACTERISTICS   | MG-15                              | MIG-17 |
|---|------------------------------------|--------|
| Redise (HILOHI) (w/paylead) Paylead Speed (see level)/(optimum cititude) Combat exiling Engines | 1,100 flux<br>570 los<br>50,600 ft |        |

#### ABMAMENT

Guss, bombs, rachets, radar brom-riding or infrared houses mission.

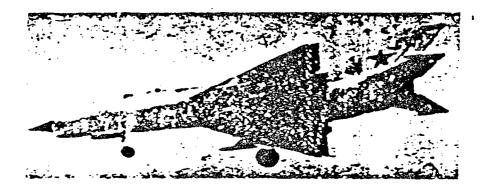
#### REMARKS

The MSG-15/17s equate most closely to the US F-85 SABRE jet.

## DECEMENT

## ANG-21 (RSHBED)

Egypt, Syria, Iroq, Algeria, Sudan, Yemen (Aden)



#### CHARACTERISTICS

#### AT JAMENT

Guns, bambs, reclass, two infrared having or rader beam-riding mission.

#### REMARKS

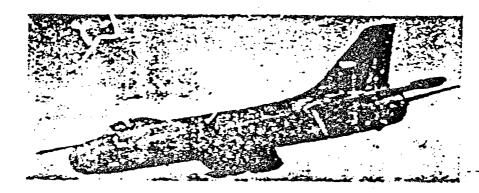
The FISHBED equates most closely to the US F-T04 STARRENTER. The Arab countries have at least five versions of this sincraft: the PISHBC C, a tocrical day fighter, the FISHBED D, F, J, an aff-wasther fighter, and the FISHBED H, a reconnectionics alrerals.

ECOLOT

## SU-7 (FITTER A)

Fighter/Somber

Egypt, Syrta, treq. Algeria



#### CHARACTERISTICS

 Radius (HILoHi) (w/paylan-a)
 175 mm

 Payload
 4,400 lbs

 Speed (see level)/(optimum alt-tude)
 625/1,025 kts

 Combat coiling
 54,000 ft

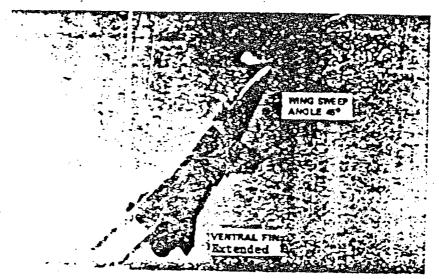
 Engines, turboist
 1

#### ARMAMEN

Cone, bombe, recliets, 2 infrared homing subsides,

## MKG-23 (FLOGGER) Fighter Bomber

Egypt, Libya, Iraq, Syria



## CHARACTERISTICS

| Rockes (optimus)                   | 670 mm        |
|------------------------------------|---------------|
| Maximum payload                    | 4.400 Es      |
| Speed (see level/orthogo altitude) | 660/1,320 lds |
| Combat colling                     | 62,000 %      |
| Engines, terbojet                  | 1             |

#### A ROSA MENT

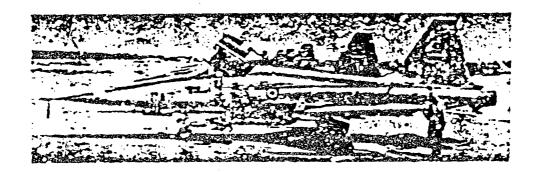
Gene, bombs, rachets, and missiles.

#### REMARKS

The FLOGGER strongly recombles the F-4 from the wing roots forward. It was a own in the 1967 Mascow Air Show and entered service in 1971.

## F-5 (FREEDOM FIGHTER)

Libye, Soudi Arabia, Jordan



## CHARACTERISTICS

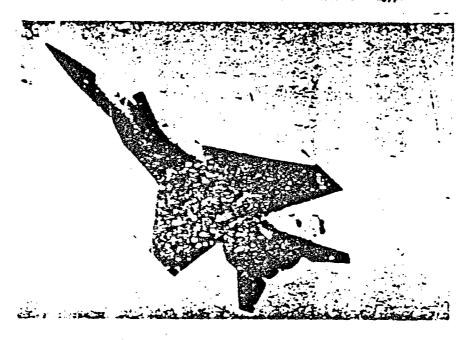
#### ABHAMENT

G-FL bombs and recluts.

FOXBAT Fighter

> - Soviet operated elements located in Egypt

> > B



#### CHARACTERISTICS

| Radius                               |  |
|--------------------------------------|--|
| Speed (sea level)/(apticum altitude) |  |
| Combat calling                       |  |

#### ARMAMENT

Four oir-to-oir missiles.

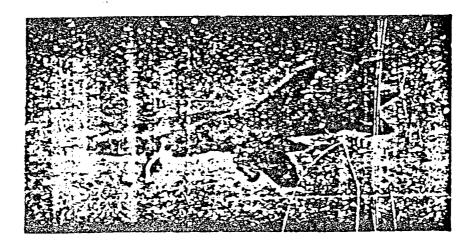
#### REMARKS

First observed at the Moscow oir show in 1967, its mission capabilities are probably three-fold; intercept, high-altitude strike, reconnectsance. Soviete began operational deployment of FOXBAT aircraft in mid-1970.

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## SU-20 (FITTER C) Fighter Bomber

Egypt Syria Iraq



## CHARACTERSTICS

| Radius (HilaHi) (w/payload)        | 260 mm .     |
|------------------------------------|--------------|
| Payload                            |              |
| Speed (sea level/optimum altitude) | 625/1,025 ks |
| Combat ceiling                     | 56,000 h     |
| Engines, turbojet                  | 1            |

#### ARMAMENT

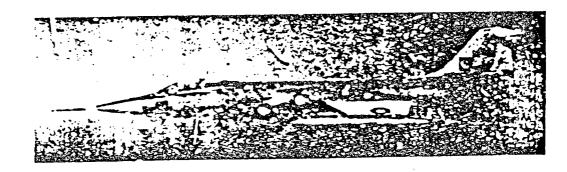
Two 30mm scanors.

#### BEHARKS

SU-20 engine is still not completely analyzed, but contains many unswall features.

## F-104 (STARFIGHTER)

Fighter



## CHARACTERISTICS

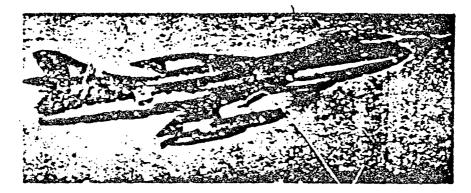
#### ARMAMENT

Guns and rackets.

BECAUSE

## HAWKER-HUNTER Fighter

Kınrak, Qatar, UAE, Oman, Iraq, Lebanen



#### CHARACTERISTICS

 Rodius
 270 am

 Speed
 530 kts

 Combat sailurg
 45,000 ft

 Engines
 1, Nerbojet

#### THEMANA

Canon, bombs, and rockets.

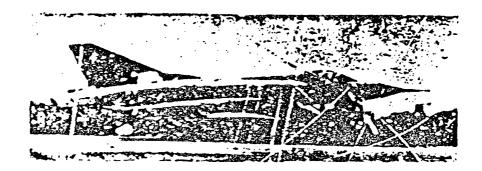
### REMARKS

Produced by Hawker Siddeley.



## MIRAGE III B-C, -E, -R Fighter

brook Labores



#### CHARACTERISTICS

 Rodies
 260 mm/(C); 790 mm (E)

 Pryload
 2,000 lbs

 Speed (see level/optimum shitude)
 600/1,050 kts

 Combat shitude
 50,000-60,000 ft

 Engines, turbolet
 1

#### ARMAMENT

Cannon, bombs, air o-air and air-to-surface rachets and missiles

## REMARKS

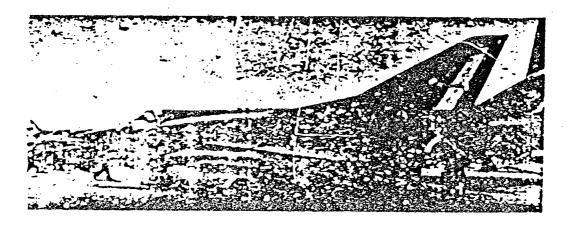
Produced by Aviers Marcel Dassault. The nearest US counterpart is the F-S.

RECENT

MIRAGE S

Fighter/Bomber

brook Egypt Libya, UAE



#### CHARACTERISTICS

| Rodus                                 | 700 nm   |     |
|---------------------------------------|----------|-----|
| Peylood                               | unit.    |     |
| Speed (sea level)/aptimene alifizade) |          | lds |
| Combat altitude                       | 57,550 4 | • . |
| Engines, tarbojet                     | 1        | 4   |

#### ARMAMENT

Connect, bombs, air-to-air and air-to-serface recises, and missies.

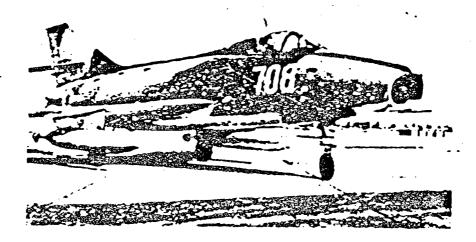
#### PEMARKS

A follow-on development of the MIRAGE NE. Major changes include expanded fuel capacity, added two feet in overall length, a greatly reduced and simplified arionics package, and a greater external store capacity. In Israel, this already is called "Super Mirage" and was assembled from indigenously produced and imported parts.

## SUPER MYSTERE IV.

Fighter-

leros



## CHARACTERISTICS

| Rodin                              | 630 nm     |
|------------------------------------|------------|
| Speed (sea level/optimum altitude) | 457/650 km |
| Combat calling                     |            |
| Engines, turbojet                  | 1          |

#### ASMAMENT

Cannon, bombs, air-to-air and air-to-surface rockets::

## REMARKS

Produced by Avions Marcel Dassault. The nearest US counterpart is the F-86A-

CHARACTERISTICS

Produced by McDonnel-Bouglas Corp.



Homes / Johnson

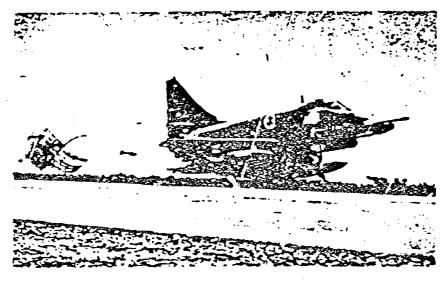
FAE PHANTCM

#### ALL SKYHAWK

Fighter/Bomber

hrae

er i



## CHARACTERISTICS

| Radiue (with Hanks)                | 500 mm      |
|------------------------------------|-------------|
| Pryload                            | \$,000 Be   |
| Speed (sea level/optimum altitude) | 420/585 lds |
| Combat ceiling                     | 44,600 R    |
| Engines                            |             |

#### APMAMENT

Guns, bombs, mines, torpados, rockets, missiles.

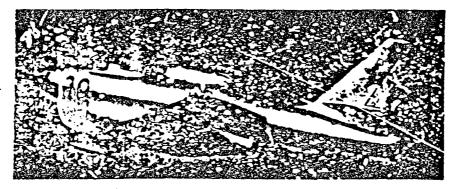
#### MARKS

Produced by McDonnel-Douglas. 36 are to be delivered to Kuwatt.

## IL-28 (BEAGLE)

## Bomber

Egypt, Iroq, Algeria, Yeman (Aden), Yeman (Sono)



## CHARACTERISTICS

| Redies Paylood                     |             |
|------------------------------------|-------------|
| Speed (sea level/optimum attitude) | 430/490 los |
| Combat ceiling                     | 41,700 ft   |
| Engines, jet                       |             |

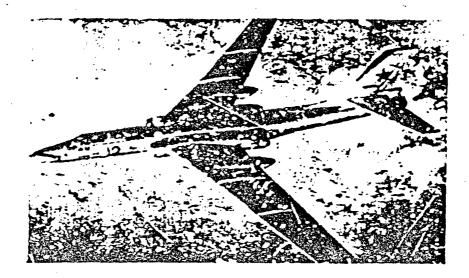
#### REMARKS

It probably equates most closely to the US 8-57 and the British CANSERRA bomber.

TU-16 (BADGER) ;

Bomber

Egypt, Iraq



| CHARACTERISTICS                    | A         | G          |
|------------------------------------|-----------|------------|
| Rodius                             | 1,650 nm  | 1,200 nm   |
| Payload                            | 30,000 Be | 30,000 Be  |
| Speed (sea level/optimum altitude) |           | 393/530 km |
| Combat calling                     |           | 45,100 R   |
| Engines, jet                       |           | 2          |

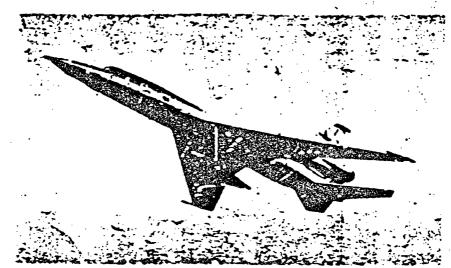
#### EMAPKS

The 39-16 equates to the US B-I7 STRATOJET, EADGER G carries Kelt air-co-surface missile. Egypt has ten BADGER O's.

agent.

## TU-22 (BLINDER A)

Boarba



## CHARACTERISTICS

| Rodies               | • |   | 1.740 nm        |
|----------------------|---|---|-----------------|
| Target speed         | 44                                      |   | 860 ks/Mach 1.5 |
| Croise speed         | • • • • • • • • • • • • • • •           |   | 555 lde         |
| Combat ceiling       |   | • | 51,600 \$       |
| Engines, jut         |   |   | 2: ~ ~ ~        |
| BOMB CAPACITY (most) | ••••••                                  | <b>~</b> *. · *. *                      | 20,000 %        |
|                      | .•                                      |   |                 |

#### DEMARKS

trag is currently the unity recipient of the TU-22 outside the Soviet Union. The aircraft was used on tragit hambing scissions against dissident Kurdish robots during 1974. The TU-22 is believed to be a follow-on to the TU-16 and is aspable of supersonic performance.

BECKET

## AN-12 CUB

#### **Assoult Transport**

Egypt, Syria, Iroq, Algeria



#### CHARACTERISTICS

| •   |              |
|---|--------------|
| Range/radius (w/normal cargo)               | 2,000/970 mm |
| Normal carge                                | 21,500 Be    |
| Cruise speed                                | 37.5 lds //  |
| Service coffing                             | 40,900 8     |
| Engines, surbaprep                          | 4            |
| Engines, surboprep Troop/paratroop capacity | 90/60        |

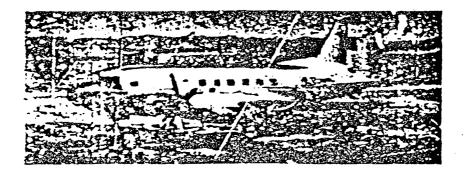
#### 14NACC

Used to supply men and notated in close support combat areas. Wheeled vehicles and bulky items can be loaded through a raws door in the rear of the fundamental supplies.

IL14 (CRATE)

Transport

Egypt, Syria, Yoman (Some)



#### CHARACTELSTICS

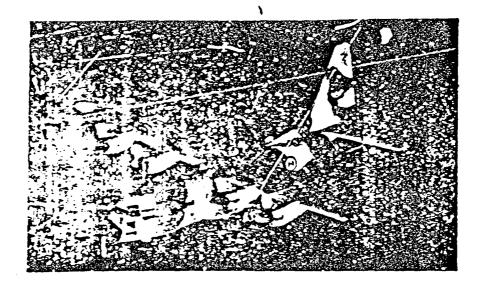
| Radius/range (w/narmal carge) | 720/1,500 mm |
|-------------------------------|--------------|
| Normal rarge (w/full fuel)    | 4,750 lbs    |
| Average cruise speed          | 130 lds      |
| Service ceiling               |              |
| Engines, reciprocating        | 2            |
| Treat/paratrees capacity      | 18/18        |

DECEMENT

## C-130 (HERCULES)

Transport

Israel, Libya, Saxdi Arobia, Jordon Kuwait, United Arab Emirates



| Combat radius (with payload)                | • | 1,000 nm . |
|---|---|------------|
| Cargo payined                               |   |            |
|   |   |            |
| Crotic sprid                                | • | 35,800 8   |
| Engines, terboprop                          |   | 4 . 78.3   |
| Engines, Inroprop Troop/pulstreep copacity: |   | 22/64      |

## NORD 2501 (NORATLAS)

Transport

lene



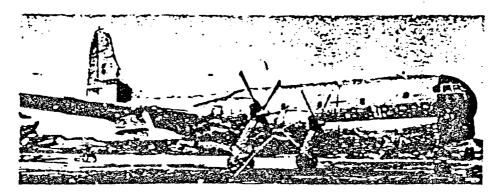
| Radius (w/normal corgs) | . 270 mm |
|-------------------------|----------|
| Normal carge            |          |
| Average croise speed    | 165 lm   |
| Service ceiting         |          |
| Engines, reciprocating  | . 2      |
| Tresp/porshipp copacity | 45/34    |

secreti

## C-97 (STRATOFREIGHTER)

Transport

1 roe



#### CHARACTERISTICS

| Radius (with payload)    | 1,000 nm  |
|--------------------------|-----------|
| Corgo payload            | 38,950 be |
| Average cruise speed     | 194 km    |
| Service ceiling          | 30,000 A  |
| Engines, reciprocating   | 4         |
| Troop/paratroop copacity | 82/70     |

#### REMARKS

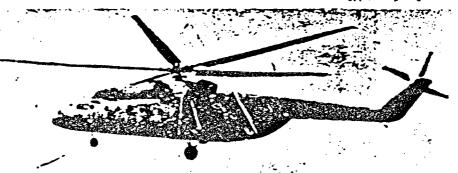
Israel has converted some C-97s to act as in-flight refueling tankers. Specific characteristics of these tankers are unknown. The characteristics of the US KC-97G may approximate the lensell conversing.

| Maximum speed | 325 m           |        |
|---------------|-----------------|--------|
| Combat radius | 1,000 nm (w/max | carge) |
| Maximum range | 3,700 nm        |        |
| Transfer feel | 23,310 be       |        |

CHOOH) 2-M

Hellcopter

Egypt, Iros, Algeria



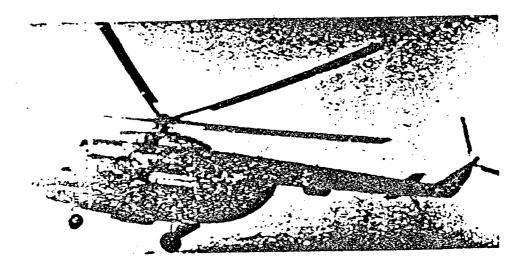


## CHARACTERISTICS

MI-8 (HIP)

Helicopter

Egypt, Iroq, Syria. Sudan, Yemen (Aden)

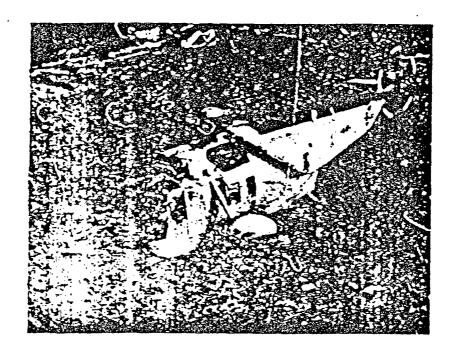


| Radius (w/normal cargo) | 10,400 Res |
|-------------------------|------------|
| Service ceiling         | 13,500 #   |
| Broines herbine         | 2          |
| Troop capacity          | 24         |

## WESTLAND COMMANDO/SEA KING

Helicopter

Egypt "



## CHARACTERISTICS

| Radius             | . 350 nm |
|--------------------|----------|
| Normal carge       |          |
| Cruise speed       |          |
| Service ceiling    |          |
| Engines, Nebaskalt | . 2      |
| Troop copacity     | . 🗷      |

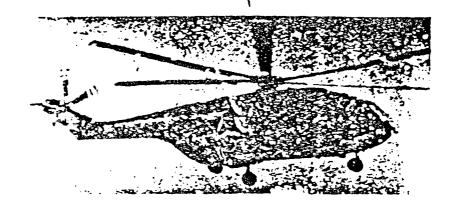
#### REMUNC

This British helicopean and was purchased by Saudi Arabia for Egypt. The Sea King is on ASW helicopter, while the Commando version is a troop transport.

SECRET

## SUPER FRELON SA 321 Hellcopter

Israel Libra



| Radius (w/normal cargo)    | 290 nm    |
|----------------------------|-----------|
| Normal carge (w/full fuel) | 7,450 Ba: |
| Cruise speed               | 135 km    |
| Service ceiling            | 15,800 A: |
| Engines, terboshaft*       | 3 30      |
| Troop capacity             | 30        |

Humal has replaced related engines with General Restrict Table engines.

SECRET ;

#### SIKORSKY CH-53

Helicopter



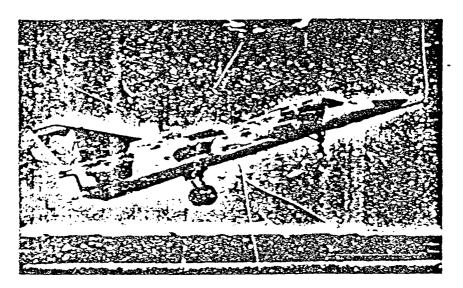
| Rodist              | 280 nm     |
|---------------------|------------|
| Normal cargo        | 1,000 bu   |
| Cruise speed        | 135 km     |
| Service ceiling     | 21,000 ft. |
| Engines, turboshaft | 2          |
| Troop copacity      | 21         |



KFIE

Fighter Bomber

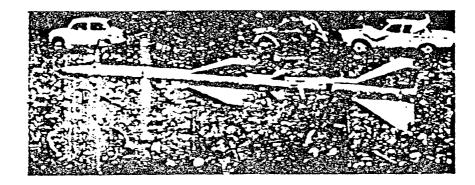
Isroe



| Rodius           | unit.  |       |
|------------------|--------|-------|
| Payload          | 10,000 | be .  |
| Speed            | 1,630  |       |
| Speed            | 50,000 | • • • |
| Fnaine, turbalet |        |       |

## SA-2 GUIDELINE SURFACE-TO-AIR MISSILE

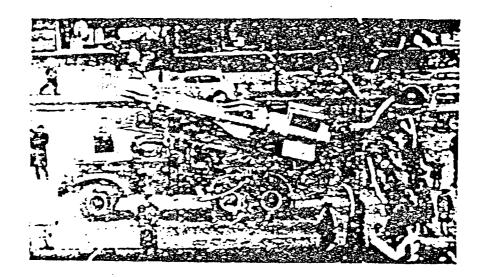
Egypt, Syria, Sudas, Algeria, Iraq, Libye



|                     | 19 nm-27 nm                            |       |
|---------------------|--|-------|
|                     | - version)<br>1,000 ≽ 90,0             |       |
| Altitude regime     |  | 000 A |
| Warhead type/weight | HE/420 lbs                             |       |
| Guidance            | Command                                |       |
| Acordey             |  | م ا   |
| Missile weight      | 5,490 km                               |       |
| Missile length      | 75 to 100 ft<br>5,450 fts<br>33.5 ft - |       |
| Minile diseases     | 19.7 <b>6</b> 7                        |       |

## SA-3 GOA SURFACE-TO AIR MISSILE.

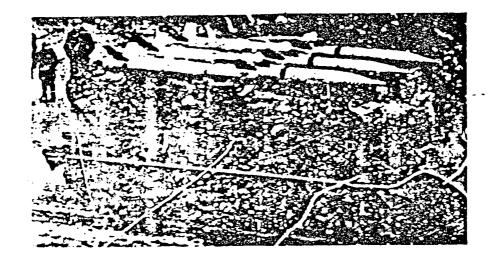
Egypt, Iraq, Syria.



| Maximum operatir toi range                 | About 12 mm .                            |
|--|--|
| Altitude regime                            | # 000,000 or Cd                          |
| Warhead tyre/weight                        |  |
| Guidance                                   |  |
| Accessed                                   | About 30 ft                              |
| Missile weight                             | 2113 Be 4 8                              |
| Missile length                             | 20 h                                     |
| Missile length Missile dissector (booster) | 142 m 3 (5)                              |
|  | a a taga a sa a sa a sa a sa a sa a sa a |

## SA-6 GAINFUL SURFACE-TO-AIR MISSILE

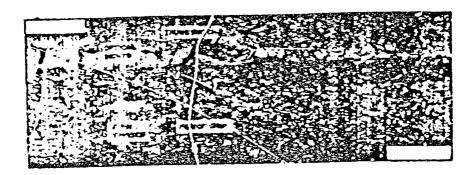
Egypt, Syria, Libya



| Madeum operational ra | <b>~~</b> |   | . 12 cm<br>. 100 ft (at ranges up to             |
|-----------------------|-----------|---|--|
| •                     | <b>4.</b> | · • • • • • • • • • • • • • • • • • • • | ( 5 mm) to 30,000 R                              |
| Worked type/veight    |           | • | . HE/125 lbs                                     |
| Guidance              |           |   | . Semi-arity handing<br>. PowEdy less than 25 ft |
| Miles o words         |           |   | 1,345 lbs  |
| Missio ingih          |           |   | 18.5 A   |
| Musile dismeter       |           |   | 1.1 0  |

SA-7 GRAIL

Egypt, Iroq, Syria



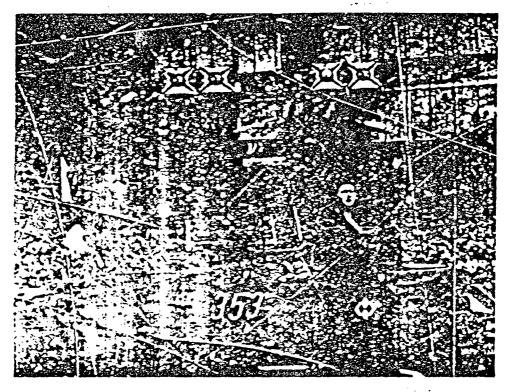
#### CHARACTERATICS

| Maximum operational range    | <br>2 mm                 |
|------------------------------|--------------------------|
| Markeys effective attracts   | <br>10,000 m             |
| According                    | <br>2.5 R                |
| Guidance :                   | Passive surrained memory |
| Louncher length              | <br>4                    |
| Louncher dometer             | <br>20.5                 |
| Launcher weight with crimite |                          |

ngar

## SA-9 GASKIN (VEHICLE MOUNTED GRAIL)

(Possibles Egypt, Syria)



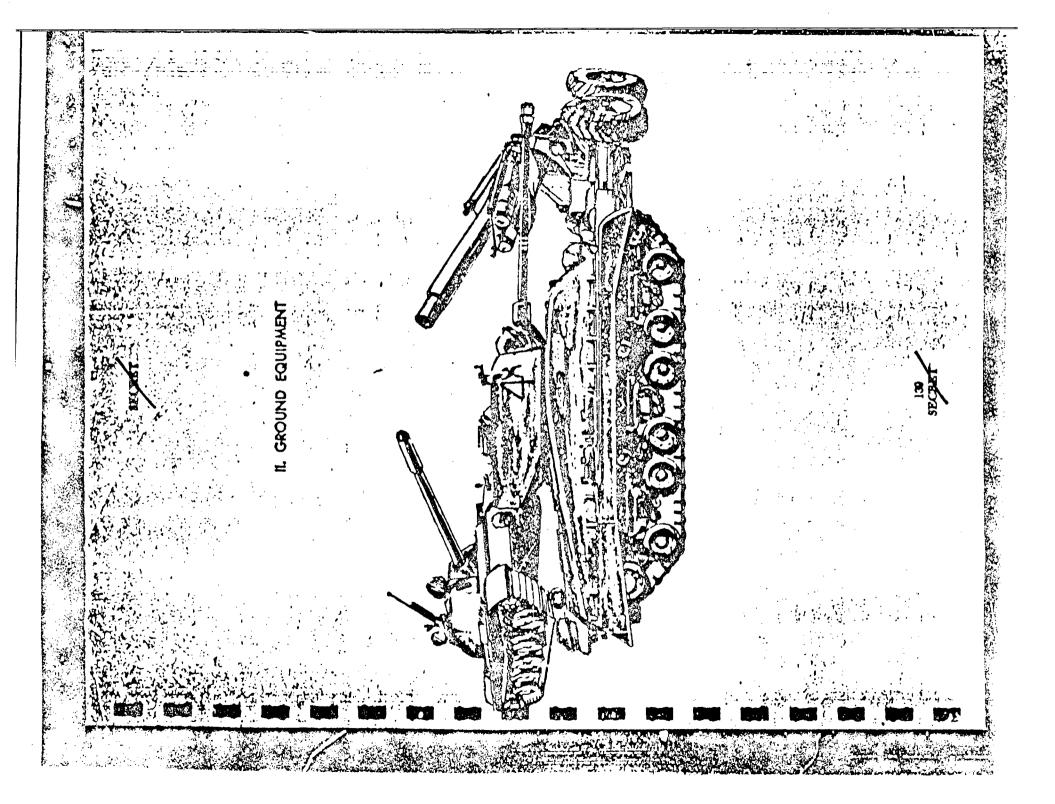
#### CHARACTERISTICS (Estim rad)

| Maximum operational rung   | <b>*</b> | 2.7-4 nm                 |
|----------------------------|----------|--------------------------|
| Maximum effective elittude |          | 15,000 6                 |
| Accuracy                   |          | se_ 10 R                 |
| Guidance                   |          | Postre infrared homing   |
| Minde length               |          | 75-40 to 3               |
| Missile diameter           |          | 20 AS 第四位 TACKY (A)      |
| Warhead                    | ***      | 12 to HE from            |
|                            |          | and the same of the same |



#### CHARACTERISTICS

|  | ***                 |
|--|---------------------|
| ARACTERISTICS  Maximum operational range : |                     |
| Maximum operational range :                |                     |
| Altitude regime                            | 45,000 to 50,000 ft |
| Warhead type/weight                        | HE/120 Become       |
| Guidance                                   | Honies (1997)       |
| Acoracy                                    | 12 8                |
| . Wise le weight                           | 1,295 lbs           |
| Misske length                              | 14+0                |
| Missile diameter                           |                     |



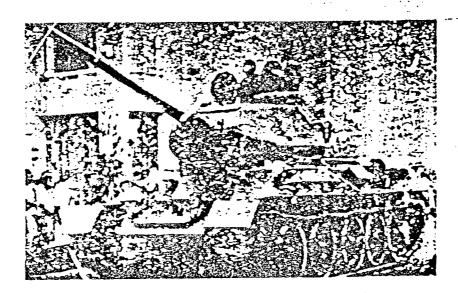
# PAGE#

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T-34 MEDIUM TANK

Egypt, Syria, Iroq, Yamen (Aden), Yomen (Sana). Algeria



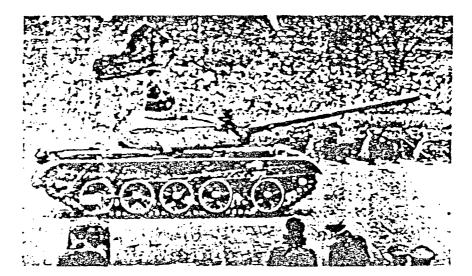
introduced to Soviet forces in 1944. Being replaced in Arub armored forces by the T-54/55.

#### CHARACTERSTICS

Main crossment Stem took gen 35 tore 35 tore 35 tore 35 tore 35 tore 36 tore 36 tore 36 tore 36 tore 36 tore 36 tore 36 tore 37 tore 3

#### T-54/55 MEDIUM TANK

Egypt, Syria, Iroq, Algeria. Sudan, Libya, Isroel, Yemen (Aden)



The maintage of the Arab armored forces. The T-54 was introduced to Soviet forces in 1949, but has since been extensively modified. Comparable to the US M-48 and the British Conturion VIII tanks. The T-55 and most moders of the T-54 are equipped with infrared night viewing equipment. The Israeli T54/55s are equipped with a 105ma gun.

#### CHARACTERISTICS

Main \_mament !00mm tank gen

Weight 46 tore

Speed 50 mph

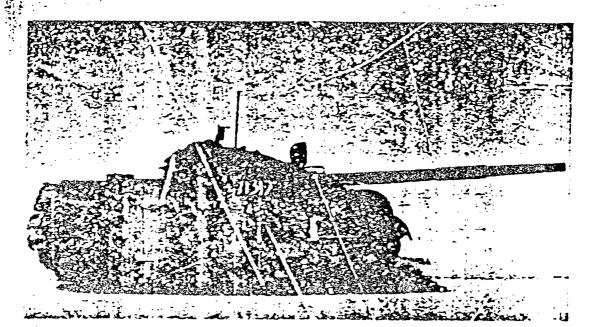
Cruising range 250 miles (main fiel)

310 miles (w/availlary fuel tanks)

Crew 4

T-62 MEDIUM TANK

Sgypt, Ircq, Syria, Israel, Sudan



Developed from T-SS. Distinguishable from T-S4/SS series by spacing of road wheels, larger, more circular turnet, longer hull, and 115mm smoothbore gun with bore evacuator mounted in middle of tube. Originally may have been designed to support T-SS against 105mm NATO tank guns, but has since become a main battle tank. Used by Sariet and probably Czechoslavak forces. The broad T-62s may have been reequipped with a 105mm gun.

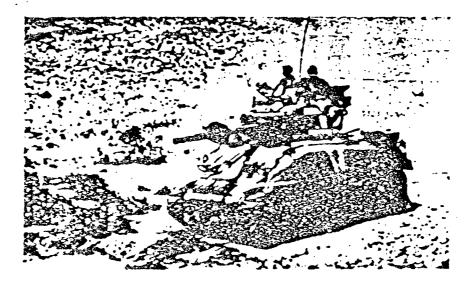
#### CHARACTERISTICS

Moin ermanent 115mm smoothbere gent
Weight 40.2 tons
Speed 30 mph
Cruising range 250 miles (main feel)
310 miles (w/oudicry feel lanks)
Crew 4

SECOLI

M-4 SHERMAN TANK

No.



A US tank of World War II vistage, broad has extraolisty modified these vehicles giving them now gure, engines, and other modernized equipment. The most extensively modified version is coded the M-ST Super Sharman and security a french 105am high-velocity gun. It is powered by a these lengths of American modes.

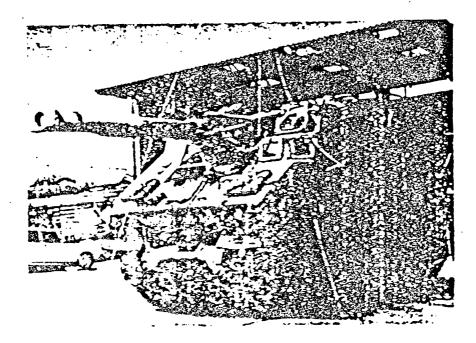
#### CHARACTERISTICS

Main present 105mm gen
Weigle 35 tens 4
Speed 25 mph - 175-200 miles -

negoti.

ISSAUM SP GUN. LOS

brook



The 1-33 gun howitzer is mounted on a modified Sharmon tank choose and manufactured in leroel by Solven Company.

#### CHARACTERISTICS

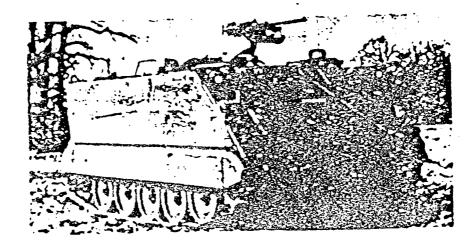
Amount Ronge 17,000 m (12 miles)
Rate of fire 2-3 rd/minute

Yehicle Crubing range 160 miles 25 mah
Weight 41 tems

SECRET

## MITTAL US ARMORED PERSONNEL CARRIER

breek troe, Soud Arabia, Jordon, Laborana, Libye



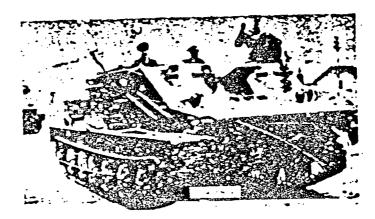
The M113 amphibious armored personnel confer a extensively used by US and Western ground forces. It has been modified by lerost to most the needs of the broad Army.

#### CHARACTERISTICS

Moin amended yours
Weight 12 tens
Crew/passengers 1/11
Speed land/water 40/3.2 mg/k/2.
Cruting range 300 miles

## BTR-50/OT-62 ARMORED PERSONNEL CALRER (CZECH)

Egypt, Sprin, bree, Libyre, Sodose, broad



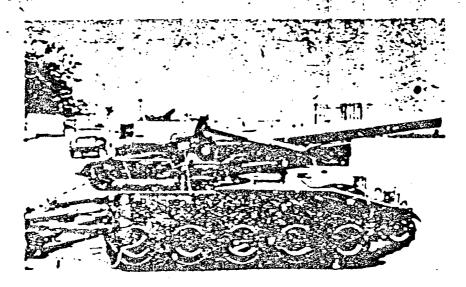
The Czechoslovak OT-62 hacked amphibious emeaned parameter in a development from the Soviet BTR-50. Along with the BTR-50, it is escalated equipment for Egyptian mechanical infentry units.

#### CHARACTERISTICS

INFANTRY COMBAT VEHICLE 7

e par

8 INCH (302MM) SP HOWITZER, M-110



Tubes are interchangeable with those of the M-107 175mm gran

#### CHARACTERSTICS

3

Maximum range 16,920 m
Croining range 450 miles
Maximum speed 144 mph
Weight 27 tens
Weight of projectio 220 lie
Rate of fire 1 round in 2 insents

155MM SP HOWITZER (4.1091)

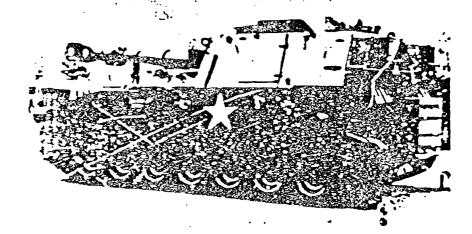
brook Libye, Jordan

12.6

Section

H

100



brook has also received the M-109A1, a modification with a languar take for extended range.

#### MILEL PRINCIPALITY

Armoment

Maximum range

Weight of projectio

Rate of fire

Cruising range

Maximum speed

Weight

220 miles

33 mps

Weight

Weight

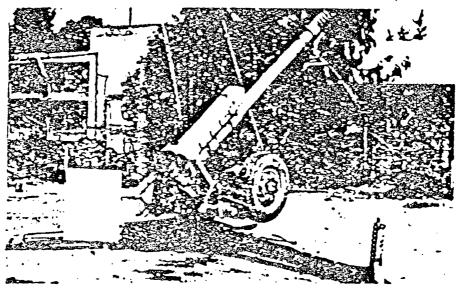
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SECONST

38C381

. 122MM HOWITZER, D-30

Egypt, brust, Libya, Lebanon, Syria :



In production since 1962, this Saviet weapon has a 360 degree on-corriage traverse capability.

#### CHARACTERISTICS

EU TAKOSI

Amoment tonge 12,000 m

Acchange range 12,000 m

Mandaum tonge 12,000 m

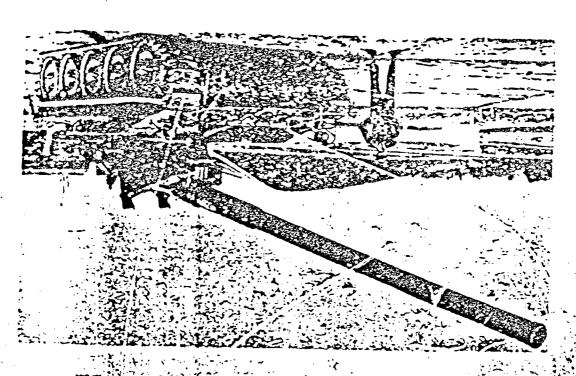
Volude Volude range 12,000 m

Mandaum tonge 12,000 m

Mandaum tonge 13,000 m

Mandaum tonge 13,000 m

nectived that \$ 011-M ark to seath the aldosoprotestri are redul

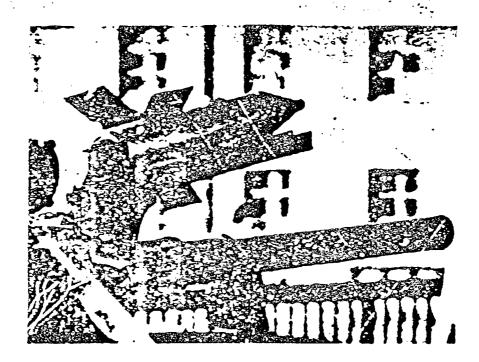


WYSZI

130733

TÀT-3 (SAGGER) ANTITANK MISSILE

Syria, Egypt, Loya, broad

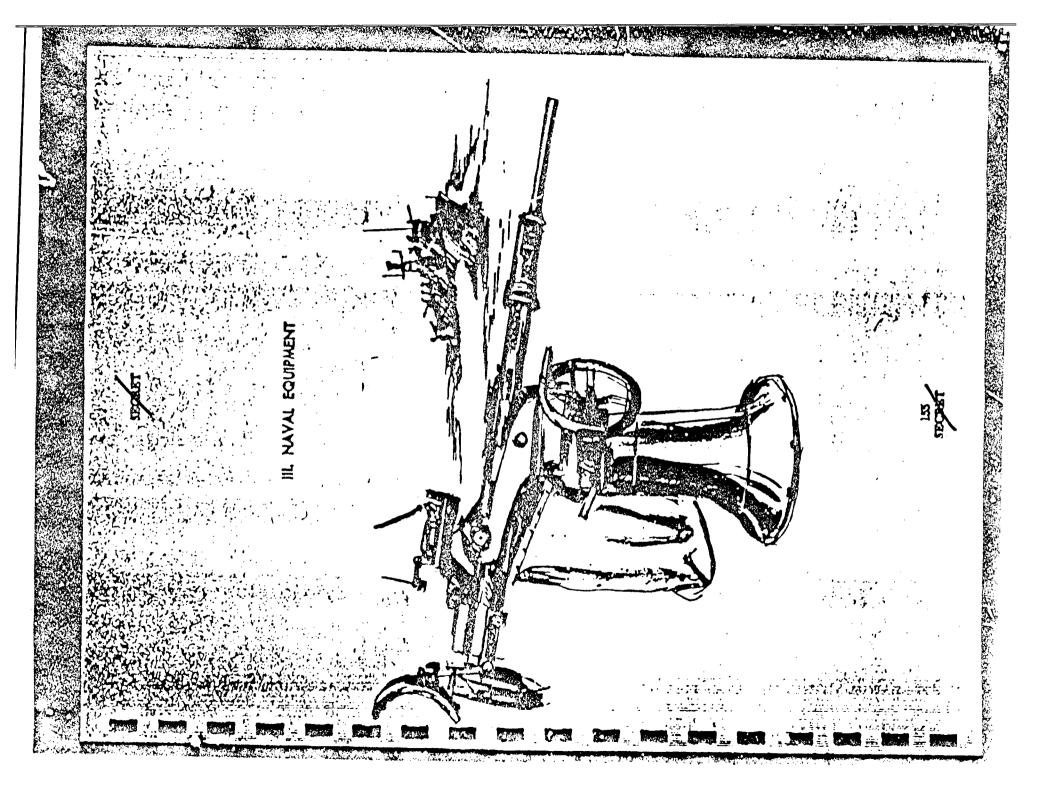


#### CHARACTERISTICS

Maximum operational range 3,000 maters

Westweed type/weight HEAT/4.9 for
Guidance Wire command link
Accuracy 80% (single-shet hit probability)
Missile weight 24 file
Missile length 37.6 it 7

The state of the s



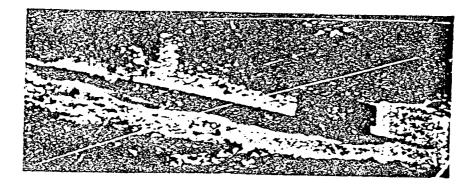
# PAGE #

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R-CLASS SUBHARINE (SS)

Egypt



#### CHARACTERISTICS

Complement 34 (8 efficers, 46 exilised)
Largeth 252 its for 1 hour Economical 2.5 its for 1 hour Economical 2.5 its for 300 nm

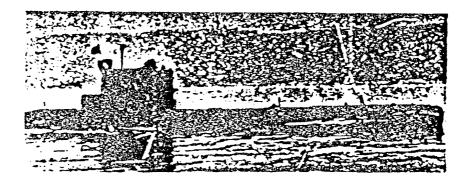
ABHANENT

KHAKS

An Improvement of the Soviet W-Class decad asked asked asked

#### W-CLASS SUBMARINE (SS)

Egypt



#### CHARACTERISTICS

Complement 34 (8 officers, 46 orizinal)
Length 249 ft, 4 is 20 ft, 8 is ...

Displacement

Surfoced 1,053 torm
Submarged 1,355 torm
Proposition Discoil 2 server

Operating depth

Submorped speed

Mazzinsum 13.5 lds for 1 hour-Economical 2.5 lds for 300 nm-

Petrol radius

ARMANASYT

REMARKS

The workhome of the Soviet fleat and the mid-1950s

CHARACTERSTICS
Complexions
Langth
Secons
Displacement
Surfaced
Submerged
Fragoristics
Collapse
Submerged Speed
Maximum
Francontact

750 #

TO THE STATE OF THE STATE OF

represe

# SKORM-CLASS DESTROYER (DD)

A STATE OF THE CONTRACT OF THE PARTY OF THE

| 216 (18 officer, 198 enlased)<br>397 ft 2 ft (overall)<br>39 ft 8 ft<br>14 ft 8 ft (18 ft 5 ft with sonce does | 2,181 tons (fell locad) 3,300 ram at 14 tax 9,40 ram at 12.5 tax  | 4 5 mm/45 AA (wood meaning) 4 25 mm/45 AA (wood meaning) 4 25 mm/45 AA (wood meaning) 4 150 mm/45 De (wote meaning) 5 25 mm/45 De (wote meaning) 6 25 mm/45 AA (wote meaning) 6 25 mm/45 AA (wote meaning) | 1707# | to order to the property of the order of the order of the property of the property of the order order of the order of the order of the order or |
|--|---|--|-------|--|
| Complement Length Mean   | Picplocament Endergnoe A scondarical speed A sectioners sectoined speed Assubadisht Gans Contact and 31 Names | On El Zofer and Scot.  | ASW   | REMAJECS These educates Sories destroyers were Time uniquely modified wells Domes  |

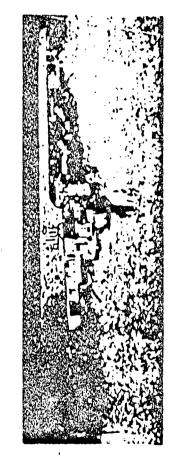
11 M

S as

oddyton to at th SECONT

# Z-CLASS (EMERGENCY) DESTROYER (DO)

3



# OWACIESTICS

| At economical speed 3,400 pm of 13 km | Endurunus | Displacement           | Draft    | Secon    | Length 362 # 9 In (overall) | Complement                     |  |
|---------------------------------------|-----------|------------------------|----------|----------|-----------------------------|--------------------------------|--|
| 1,000 pm of 13 kg                     |           | 2.555 Fore (full load) | 16 # 2 % | 35 7 4 5 | 362 A 9 in (overed)         | 221 (11 officers, 210 orassed) |  |

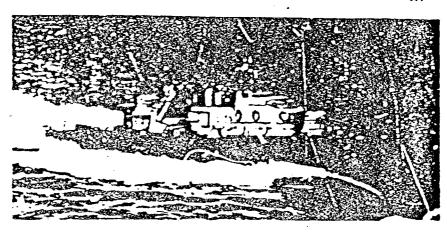
# GHYMRY

| Z rocts 70 depth charges Maden          | ASW 4 K-gund | Terps do systems                  | Control of the contro |
|---|--------------|-----------------------------------|--|
| 70 depth chargue<br>SAJ GRAN (probable) | . 4 Kepani   | Torpedo systems 8-21 in terpedoes | 4-115mm/45 DP (singly mount)<br>6-40mm/60 AA (1 twin mount) 4 single   |



## SHERSHEN-CLASS FAST PATROL BOAT (PTF) AND FAST PATROL FIRE SUPPORT BOAT (PTFS)

Egypt



#### CHARACTERISTICS

 Complement
 20 to 28

 Langth
 114 ft

 Beant
 22 ft

 Draft
 5 ft

Endurance

At accommical speed ..... 1,000 nm at 18 km. At maximum speed ...... 460 nm at 42 km.

#### ARMAMENT

Guns ..... 4-30mm/65 AA (hein mounted)

8º 122mm unguided barrage-type rockets

Rocket rystem (PTFS units only) ... 2 40-tubed BM-21 type rocket lounchers Torpada system (PTF units only) ... 4 21-in anti-surface ship torpadaes

4 21-in Road Noos

ASW ...... 12 depth charges in 2 MR racks

Mines 2 short deck rolls
Missies SA-7 GRAK (some units)

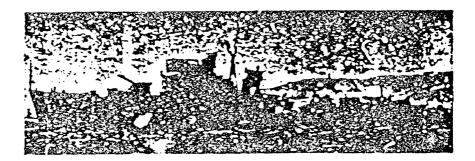
#### **REMARKS**

Turpedoes have been removed from most units and replaced by two 40-tube BM-21 type micket foundhers.

**ECHT** 

#### HUNT-CLASS PATROL ESCORT (PF)

Egypt



#### CHARACTERSTICS

Complement 169 (9 officers, 160 extinted)
Longth 280 ft (everall)
Boore 29 ft
Droft 13 ft 9 fe
Displacement L429 tens (full lead)
Endurance

#### A DAM A MERSET

ASW

4.102mm/45 DF (tw/n securited)

4.25mm/80 AA (twin securited)

4.25mm/80 AA (twin securited)

7. MXA reck (6 d.e. on reck)

50 depth charges

Manifes

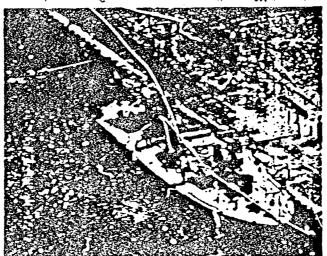
SA-7 ORAL (3 Innocher positions for

#### PENANC

The Port Said was purchased from the UK in 1950 by Egypt.

### CLASS MOTOR TURPEDO BOAT (PT) PO-CLASS MUTUR TUTUTED TO FAST PATROL FIRE SUPPORT BOAT (PTFS)

Egypt, PORY, Iraq, Syria



#### CHALACTERSTICS

| Complement         | 22 (12 officers, 10 emisted) |
|--------------------|------------------------------|
| Longth             | 13 h 8 h                     |
| Record             | Trib. 20 h 4 h 4             |
| Droft              | 3 A 11 M (mone)              |
| Displacement       | 66.5 tons (Ind lead)         |
| Enterance          | ASS not at 20 les            |
| hands bylessens id | ASS are at 20 les            |

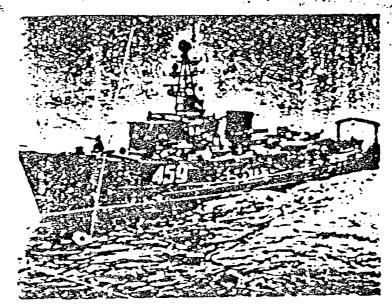
Al anarchese sessoined speed .. US am at 39-40 km

#### ARM

| TAMENT           | • |  |
|------------------|---|--|
| Gens             |   | . 2 25mm/80 AA Gain mounted on PTPS  |
| Torpede system   |   | 4 25/80 AA from recented on PT<br>, 2 or 4 23-in unitarises ship terpodose |
| Rocket systems . |   | on PT units only   |
|                  |   | rockets 40-babod trainable 3M-21   |
|                  |   | Type rectat Isuachers on Egyption  Mediscresson See PTPS train             |
| المرة المعيد     |   | 12 24Dam uncolded barrage-type reducts 12-band trabable BM-24              |
|                  |   | type redut learchers on Egyption   |

### YURKA-CLASS FLEET MINESWEEPER (MSF)

6977



#### CHARACTERISTICS

Выст ...... 29 А

Draft .... 7 ft

Endurance

At economical speed ..... with a

At maximum speed ...... 1,100 nm et 18 kts

#### APHAMENT

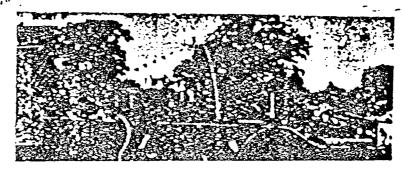
Germ ...... 4 30mm/65 AA (Tells mounted)

Undt ..... 1011 to 100

## MIC SECRET

#### VANYA-CLASS COASTAL MINESWEEPER

377K



#### CHARACTERISTICS

Complement 30 (3 officers, 27 enlisted)

Length 132 ft (overall)

Beam 26 ft

Druft 5 ft 6 in

Displacement 250 tone (full load)

Endorance

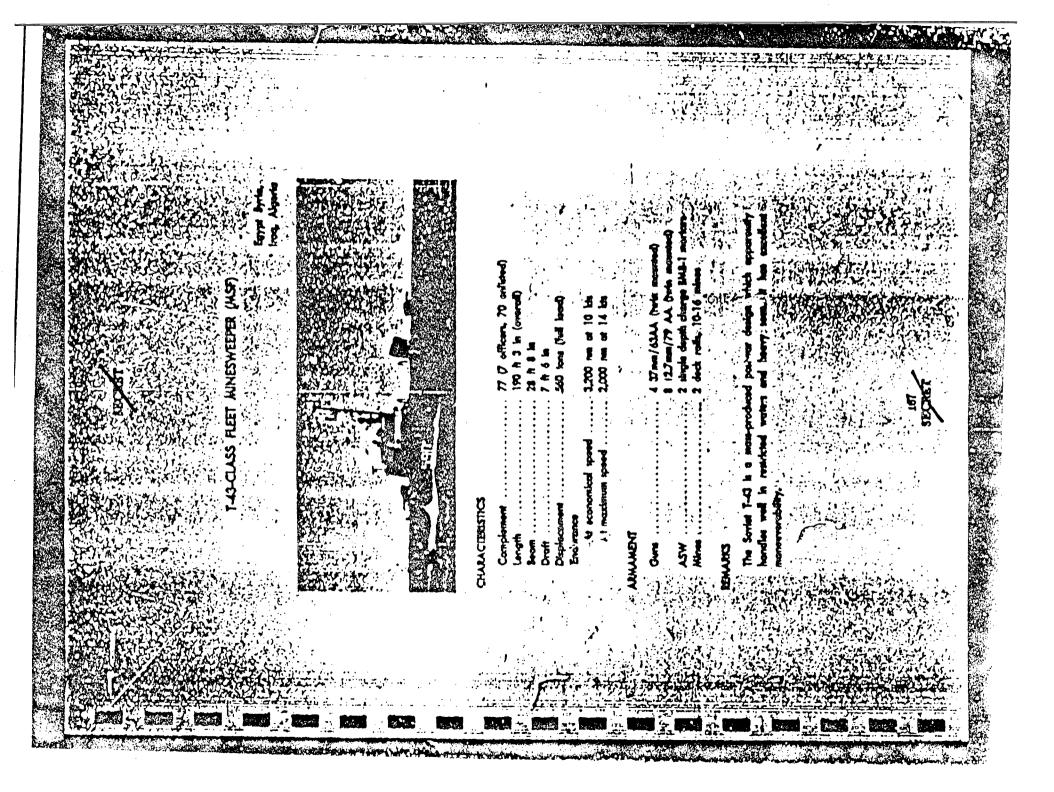
At aconomical speed ..... unk.
At maximum speed ...... 1,050 nm at 18 km.

#### THEHAMENT

Gune 2 30mm/65 AA (outomorte, total mounted, remote control) -Mines 2 deck rolls: 65 ft total mine mile.

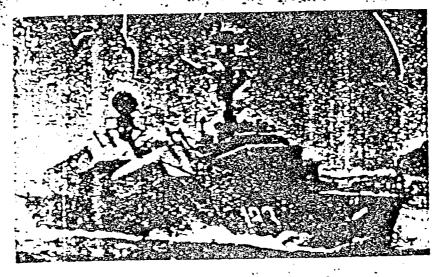
#### REMALTS

The Soviet YANYA, a convertible minorweaper/minolauter, is the first large Soviet non-magnetic minorweaper, it first appeared in 1961.



## OSA CLASS LARGE GUIDED MISSILE BOAT (PTFG)

Syria Iroq



#### CHARACTERISTICS

| 25 to 30 | 126 ft 8 in (sveroil) | 126 ft 8 in (sveroil) | 126 ft 8 in (sveroil) | 126 ft 11 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 in | 126 ft 12 i

Displacement 205-215 fore (full lood)

Endurance

#### THEMALINE

Mindles SA-7 CRAIL

A strople SS-N-2e or b SSM lessocherse

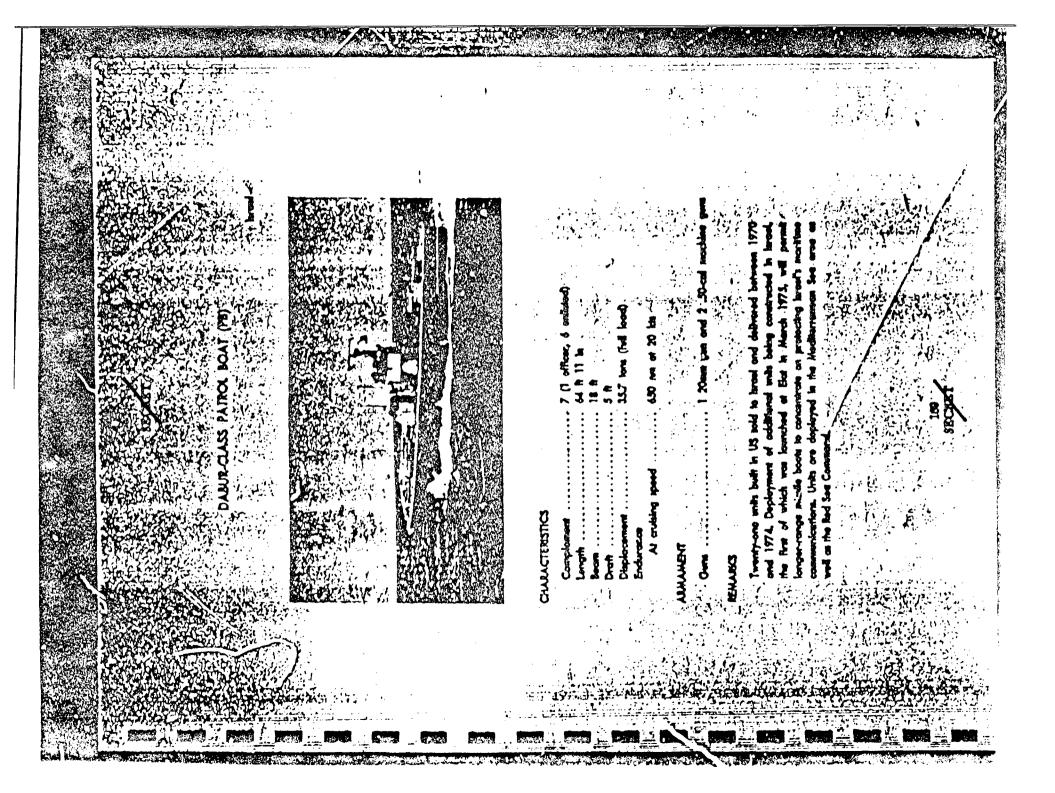
A strople SS-N-2e (OSA I)

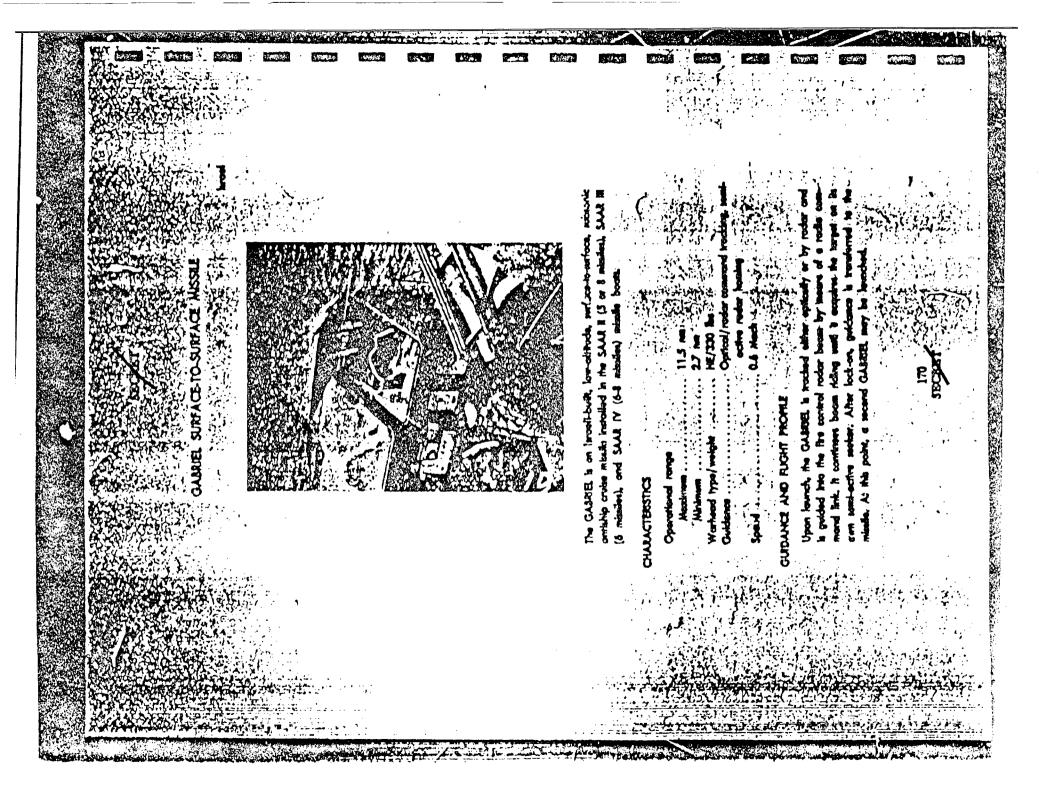
4 Strople SS-N-2e (OSA II reg)

4-30mm/65 AA (twin mounted): 2
12.7mm teaching gener (SSA)

#### PEMARKS

The missile losschers can notifier elevate nor trebs. Both the STAN SS.N-2a and b missiles have a suscineral effective range of 22 km and are primarily annihip weapons.





ROSI

#### SAAR IV-CLASS GUIDED MISSILE PATROL GUNGOAT (POG)



#### CHARACTERISTICS

440 tons full

Endurance

At economical speed ...... 3,500 nm at 16 lds
At crubing speed ....... 2,500 nm at 20 lds -

#### THEMAMENT

Missiles Yariobles usually 6-8 GASRIEL II on as many lounchers.

Gene 2 76mm/62 DP gure 2 20mm/65 AA / funs

#### DOWNER

Investi both combatant. Four of six state under construction launched.

Two transferred to investi Red See Command. Six units of this investigation both combatant lounched and in service. Four transferred to broad Red See Command, two remain at Haifa Base Command. The first of six follow-on units, at which construction was scheduled to commence.

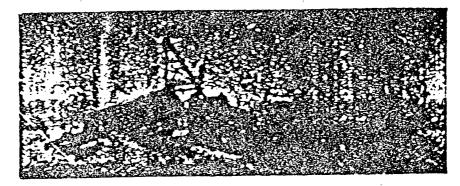
April 1975, could be learnched by late 1976 or early 1977.

171 820061

H

## KOMAR-CLASS SMALL GUIDED MISSELE PATROLDOAT (PTG)

Borne, Syria, Algoria



#### CHARACTERISTICS

Complement 19 (3 efficient, 16 emission)
Length 23 it 8 in (overall)
Secon 27 it
Displacement 5 it 6 in
Endominate Management 11.5 tons (fell local)
At meximum materiaed speed 14.5 mm of 36 its
At economical speed 1,200 mm et 18 its

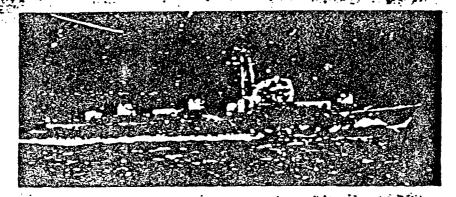
•

Missiles 2 shape SS-N-2 SSM loundary 2 shales SA-7 ORAR:

Ques 2 25mm/80 AA (hubr seconded)

. . . . . . . . . . . .

The KOMAR's a conversion of the standard R4 Class PT boost. The SS-N-2 "STYX" which has a maximum effective range of 22 nm and is artmartly an anti-ship weapon.



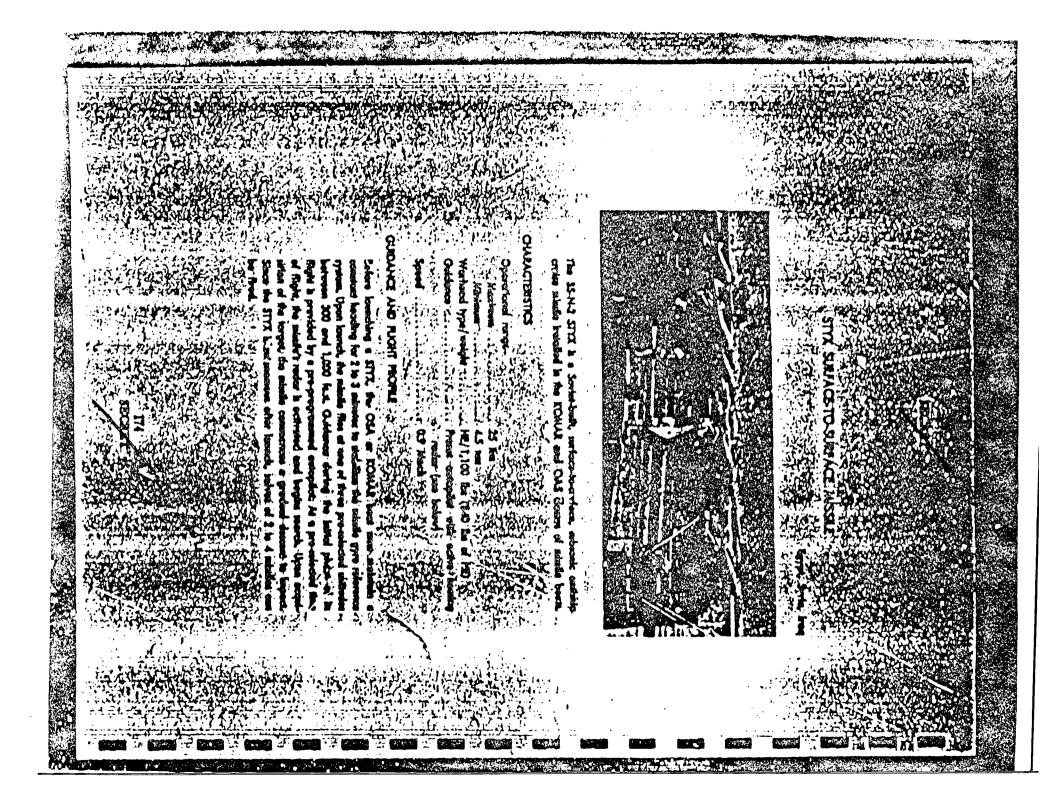
#### CHARACTERSTICS

| Complement         | ••••             |     | 1874 i | . 40  | (6 effici | n. 34  | endated)    |
|--------------------|------------------|-----|--------|-------|-----------|--------|-------------|
| Longth             | :<br>• • • • • • |     |        | 14    | DE 8 (4   | (News  | <b>表现</b>   |
| Becam              |                  |     |        |       |           |        |             |
| Droft              |                  |     |        |       |           |        |             |
| Displacement       |                  |     | ~ ~ .  | _ 200 | les as pa | moord: |             |
| ar in the state of | 3                | ٠ ټ |        | 250   | tens fo   | l bod  | 24<br>02-13 |
| Endurance          |                  |     |        |       | مني مين   | 1.1.1. | Sec. 3.     |

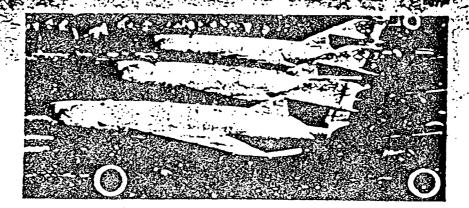
| A | economical speed ?              | a 20 L     | • |
|---|---------------------------------|------------|---|
| M | crowing speed                   | of 30 ba - |   |
| A | maximum matched speed 600-700 i | 10 10 M Pr |   |

| AL | estos     |      |   |               | S-E-CARREL    |            |     |
|----|-----------|------|---|---------------|---------------|------------|-----|
|    |           |      | ي الميدينة و المدينة المدينة المدينة المدينة المدينة المدينة المدينة المدينة المدينة المدينة المدينة المدينة ا<br>المدينة المدينة | FS CAN        | SEL. V) on    | SAMER!     | 3   |
| G  |           |      |   | O on Yeristia | \$44 E.2.     | 15.00      | زر  |
|    |           |      | 30.30   | SAME IL       |               | OF Sunt de | r   |
| To | rpede Sys | Sems |   | 2 US MC-4     | i largadoss e | a LULT     | ا م |

disact empts at the lieux electrocate gener and gener, and lare SAAR II, which has a retructuate secretarity-type too northe workers capable close of breat's guidad inhale boost Two SAUR its were transferred to the level Red See Co



SSC-28 MISSILE SAMLET



The SAMLET is a surface-to-vertice version of the KE-RASL exists confece crusta missile corried by the TU-15 BADOER circuit. Supplied by the Saviet Union, 8 is deployed surface Africandria. Egypt, region to provide constal disference.

#### CHARACTERSTICS

Maximum system range 50 mm

Workerd type/weight 18/2,200 lbs

Crutaing speed 18-0.9 Mach\*

Ablitude 8olow 5,000 ft

Guidance Astophot with raid-course base

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